

A man and a woman are standing in a modern office, looking at a large sheet of paper together. The woman is on the left, wearing a brown blouse and black pants, and is pointing at the paper with a blue pen. The man is on the right, wearing a green button-down shirt and dark pants, and is holding the paper. They are both smiling and appear to be in a collaborative discussion. In the foreground, there is a round table with a laptop, a pen, and some small white blocks.

SpaceLogic KNX

Home and building
automation solutions

2025-10



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SpaceLogic KNX – Empowering connected spaces

The history of Schneider Electric and KNX started in 2006 when Merten - a founding member of KNX - was incorporated. Years of experience and innovative developments have characterized Schneider Electric's KNX product portfolio ever since.

In addition to the need for comfort and flexibility, rising energy prices are playing an increasingly important role. Energy monitoring and intelligent energy management are of crucial importance for residents and operators of buildings. This is where Schneider Electric comes into play with its extensive experience as an energy specialist. As a partner for sustainability, digitization and efficiency, we drive digital transformation by integrating world-leading process and energy technologies that connect products, controls, software and services across the entire lifecycle and enable integrated management for smart homes and commercial buildings.

For our partners, SpaceLogic KNX means their customers get advanced technology that enhances safety, comfort, simplicity, and profitability. The solutions are easy to install and set up. Additionally, for residential projects, customers enjoy a personalized, complete smart home system that is flexible and easy to operate.

Partners/professionals

- Smart building features that go beyond energy efficiency
- Easy to design, configure, and commission
- Simple installation
- Suitable for a variety of buildings from large office complexes to residential

End users

- Future-ready solutions that are easy to operate
- Upgradability with regular software and firmware updates
- Scalability with the ability to connect each future installation through SpaceLogic KNX

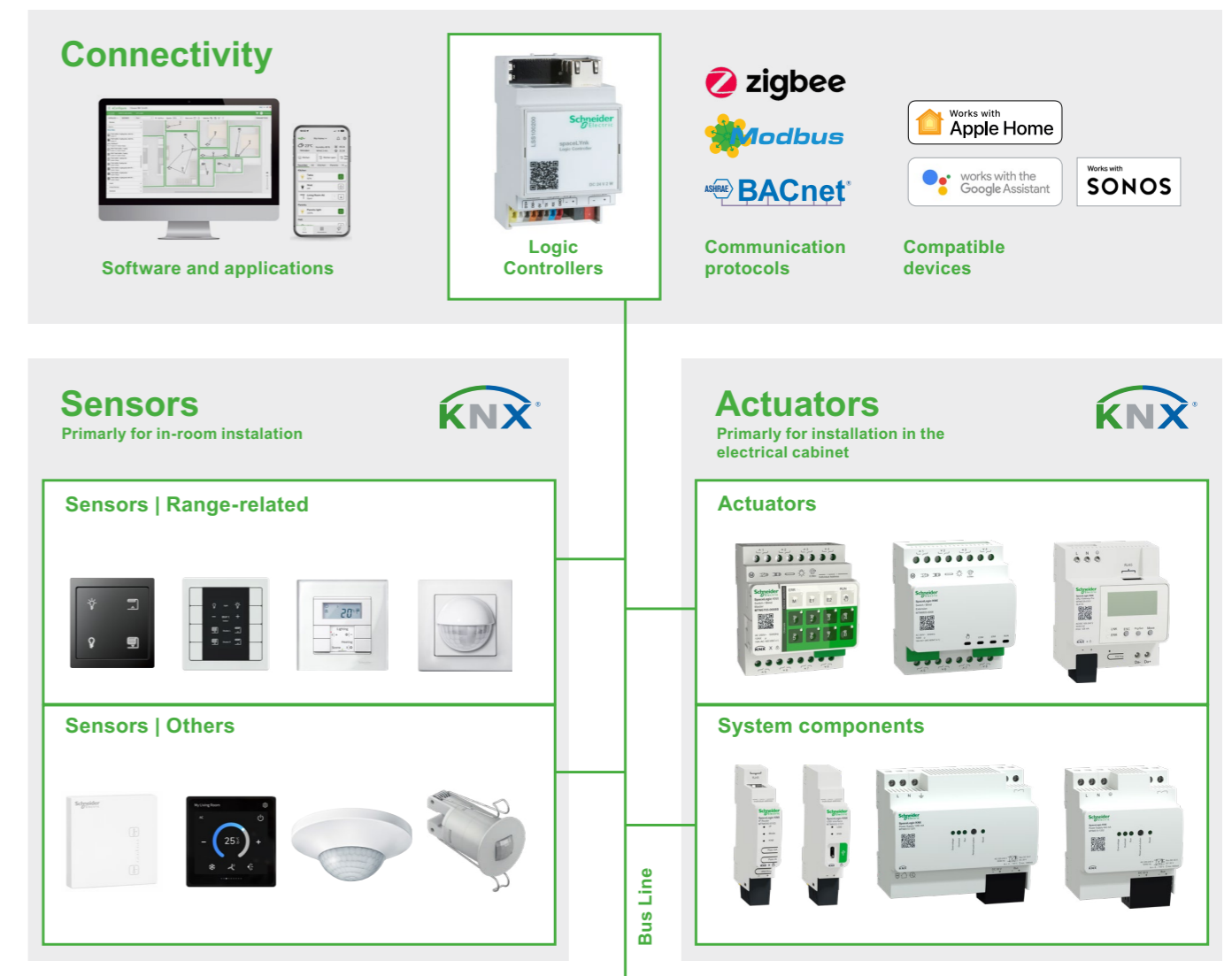


A complete KNX System

SpaceLogic KNX consists of a range of products and solutions to create one comprehensive system.

- **Sensors** – the eyes and ears of the system, collecting information for the system to feed to the actuators,
- **Actuators** – the brains of the KNX system, SpaceLogic KNX actuators turn data into actions,
- **System components** – feeds the right level of power to devices connected to the system,
- **Connectivity** – with EcoStruxure™ Building solutions for remote control and monitoring, and integration with third-party systems.

SpaceLogic KNX system architecture





Our solutions for homes and buildings

SpaceLogic KNX from Schneider Electric provides interoperable, modular, future-ready solutions. Flexible SpaceLogic KNX system gives our customers everything they are looking for, responding to real estate developers, building operators, tenants and home owners' needs and demands.

Home automation with SpaceLogic KNX

SpaceLogic KNX is not only a state-of-the-art home automation solution that enables controlling and managing any space, but also emphasizes energy efficiency. For example, it can manage EV electric car charges through smart load management to help reduce energy costs.

The Wiser KNX app allows to manage all KNX functions, like energy, heating and cooling, safety, lighting, and shutters, directly from a smartphone. With its intuitive and clear design, it brings the smart home experience to the fullest.

It also adds interoperability on top of its connectivity, letting users integrate products from third-party and other protocols as well as non-KNX products and systems such as Sonos, Apple, Amazon, and Google voice assistant, and many, many more.



Building automation with KNX

SpaceLogic KNX can be scaled to fit the needs of commercial buildings from small to large size. It offers solutions that can be tailored to the specific needs of the building, providing efficient control, monitoring, and automation of different systems.

Seamlessly integrated with EcoStruxure, our IoT-enabled, plug-and-play, open, interoperable architecture and platform, it can bring additional functionalities for all kinds of projects, from healthcare to retail, including:

- Greater convenience through automated, managed, and remotely-controlled functions.
- Integrated services like critical equipment monitoring and fault alarms that help avoid unplanned maintenance, costly downtime, and reputational risk.
- Predictive maintenance to help ensure maximum uptime and protect people and property.



Simplicity across the whole lifecycle

The SpaceLogic KNX range features powerful products and software that work seamlessly together. Its simplicity allows for greater flexibility across the system, with devices that are:

Easy to manage and maintain

From the beginning, SpaceLogic KNX solutions are easy to plan, install and operate, flexible to cope with more demanding needs, and future-ready for your peace of mind, and your customers'. SpaceLogic KNX is furthermore easy to diagnose – diagnostic information is provided in the products.

More reliable

Built with a focus on quality and commitment to cybersecurity, SpaceLogic KNX helps you make your projects more reliable and future-proof.

Energy efficient

KNX helps save energy by enabling intelligent control and automation of devices in a building based on occupancy, schedules, and environmental conditions. It also allows for integration, coordination, and monitoring of energy-consuming systems, optimizing their usage for maximum efficiency.

Backed by expert support

SpaceLogic KNX solutions benefit from Schneider Electric's extensive support system. You get access to experienced experts through the call center and expanded knowledge via online training programs.

Simplicity



Delivering KNX solutions has never been easier

When we develop products and solutions, our customers and partners are our top priority. Our focus lies in creating products that are effortlessly planned, configured, and installed. With the support of software, tools, and apps for integrators, partners, and end customers, SpaceLogic KNX presents a comprehensive and meticulously designed portfolio for all KNX installations. Our flexible solutions and modular products streamline the planning process and simplify commissioning. Furthermore, SpaceLogic KNX seamlessly integrates into other automation systems or building management systems. Our KNX solutions evolve alongside our customers' needs, allowing for easy expansion and adaptation to new requirements with minimal time and financial investment.

KNX is:

- Easy to specify, install, put into operation and maintain.
- Flexible and open.
- Future-proof and expandable.
- Secure certified.

Reliability



KNX Secure

In today's digital world, no communication technology is immune to hackers, and this includes home and building automation systems. Without proper protection, these systems can become a weak link in any installation. That's why KNX Association has taken strong measures to ensure the security of its systems, including the implementation of KNX Secure.

With KNX, you can rest assured that your home or building automation is secure. Our technology adheres to all necessary security regulations and standards:

- Standardized according to EN 50090-3-4 – which means, that KNX successfully blocks hacker attacks on the digital infrastructure of networked buildings.
- ISO 18033-3, utilizing AES 128 CCM encryption - the highest encryption standards to effectively prevent attacks on the digital infrastructure of buildings and to achieve the highest level of data protection.

KNX Secure offers double protection to guarantee maximum security

KNX IP Secure: the IP protocol is extended to encrypt all transferred telegrams and data, providing an additional layer of defense.

KNX Data Secure: safeguards user data from unauthorized access and manipulation through encryption and authentication.

With KNX Secure, our customers can confidently embrace the potential of smart building automation, knowing that their system is fortified against cyber threats. Protecting the digital infrastructure and ensuring the highest level of data security is our priority. That's why we are implementing step by step KNX Secure in all our KNX products.

Efficiency



Manage energy

KNX helps in saving energy through its various features and capabilities.

Intelligent control

KNX allows for intelligent control of devices and systems in a building. It enables automation and optimization of energy-consuming processes, such as lighting, heating, ventilation, and air conditioning (HVAC), based on factors like occupancy, time schedules, and environmental conditions. This ensures that energy is used efficiently and only when needed.

Energy monitoring and analysis

KNX supports energy monitoring and analysis by providing real-time data on energy usage. This data can be collected and analyzed to identify patterns, trends, and areas of high energy consumption. With this information, building managers can make informed decisions to optimize energy usage and identify opportunities for energy savings.

Future-proof and flexible

KNX is flexible and scalable, allowing for easy adaptation and expansion of the automation system. As energy-saving technologies evolve, new devices and systems can be integrated into the KNX network, ensuring that the building stays up-to-date with the latest energy-efficient solutions.

Support



A proven solution from a trusted partner

Schneider Electric provides a complete range of KNX solutions, designed to work seamlessly together with the added benefits of simplicity, flexibility, and reliability.

Experience

Schneider Electric has been developing KNX products for 30 years, setting a solid foundation for the latest innovative technology. Through the decades, we have kept a close eye on how customers' needs have evolved - and we have evolved our portfolio to keep up.

Recognized leadership

Schneider Electric has a strong commitment to innovation, sustainability, and digital transformation. Our comprehensive range of energy management and automation solutions caters to diverse customer needs, providing efficiency, reliability, and sustainability. Additionally, we focus on developing eco-friendly technologies and social responsibility making us one of the most sustainable companies across the world.

Support

Schneider Electric has an extensive team of experts waiting to answer any questions you may have via the Schneider Customer Care Centre. Numerous training courses are available to our customers.



Our SpaceLogic KNX offer

Schneider Electric's KNX offer includes a comprehensive range of products and solutions designed to enable efficient and sustainable building automation. With a wide selection of KNX compatible devices, intuitive programming tools, and advanced management software, our KNX offer empowers users to create smart, energy-efficient buildings with seamless integration and control over lighting, HVAC, security, and more.

All the devices for a KNX installation are connected together by a bus, thus allowing them to exchange data. The function of the individual bus devices is determined by their project planning, which can be changed and adapted at any time.

Comprising sensors, actuators, system devices, apps, and software, SpaceLogic KNX provides scalable solutions for both residential and commercial spaces. Schneider Electric offers tailored solutions for every application. Through Wisier for KNX, the KNX Hybrid solution and the Wisier KNX app, homeowners can access smart solutions for enhanced comfort, security, and energy efficiency. Additionally, our spaceLYnk, BMS IP Gateway, and DALI Gateway facilitate seamless integration of building automation systems in small, midsize, and complex ecostructure architectures.

Actuators

They receive data which are then converted into actions. This can include controlling blinds, dimming lights or controlling heating and air conditioning systems.



Switch / Blind Master



Switch / Blind Extension



Dimmer Master



Dimmer Extension



KNX Heating Actuator

System devices and components

They are needed for the fundamental functioning of the system. They consist of power supply units for generating bus voltage, couplers for connecting bus segments and interfaces for connecting programming devices.



Wiser for KNX Logic Controller



spaceLYnk Logic Controller



Power Supply



KNX BMS IP Gateway



KNX Hybrid Module



KNX IP Router

Sensors

These are the starting point for every action, because they gather information and send it on the bus as a data telegram. This can be information about room temperatures, movements, wind measurements or manually input instructions.



KNX Push-button Dynamic Labeling



KNX 4" Touch Unit



Movement Detector

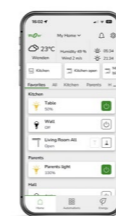


Room Temperature Control Unit

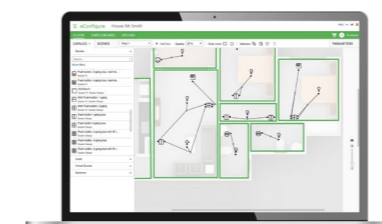


Presence detector

Software and apps



Wiser KNX App



eConfigure KNX



Master - Extension concept

The flexible and time-saving modular concept of the new SpaceLogic KNX switch, blind, and dimming actuators from Schneider Electric will convince you.

Each master device can control up to 2 extensions. These are simply placed next to the master or offset on the DIN rail and connected without tools via the connection module. The addressing of the extensions is done automatically in the master. Therefore, all 3 devices are programmed exclusively in the ETS application of the master.

The masters not only control the extensions but also supply them with power. Further time-consuming wiring is no longer necessary here as well. When a master is connected to one or two extensions, a compatibility check is automatically performed. If all compatibility points are met, the master then loads the application onto the extension.

SpaceLogic actuators

SpaceLogic KNX actuators bring modularity and user-friendliness to KNX projects and systems. The SpaceLogic KNX actuators are easy to select, configure, and commission, saving our partners time and money in planning, installation, and maintenance.

Schneider Electric's SpaceLogic KNX actuators are quickly adaptable using a master/extension concept and scalable to changing project requirements without affecting the KNX topology itself. These devices bring greater reliability to smart building systems.



Planning:

- Universal functions
- Uniform sizes simplify planning
- Compact size: 1 x Master + 2 x Extension >> 12 TE with up to 24 channels
- Simplified offer, less commercial references



Installation:

- Modular concept of Master and Extension
- Tool-free installation
- Intuitive and fast



Operation:

- Less space needed
- Less energy consumption



Maintenance:

- Simple firmware update
- Extensions can be replaced without ETS programming
- KNX Secure
- Diagnostic information about product via KNX

Master Extension combinations

SpaceLogic KNX Switch / Blinds

- 1 x SpaceLogic KNX Switch / Blind Master
- 2 x SpaceLogic KNX Switch / Blind extension

SpaceLogic KNX Dimmer

- 1 x SpaceLogic KNX Dimmer Master
- 2 x SpaceLogic KNX Dimmer Extension or 2 x SpaceLogic KNX Switch / Blind Extension

Connection via KNX cable

- Tool-free
- Firmware updates and diagnostics
- QR code for technical information

Connection module or cable

- Connects Master and Extension
- Tool-free, plug and play



Master
Incl. 8 switch / 4 blind
channels

Extension
Plus 8 switch / 4 blind
channels

Extension
Plus 8 switch / 4 blind
channels

Total
24 switch / 12 blind
channels



One controller, many options

Wiser for KNX unlocks a comprehensive solution, delivering limitless flexibility, simplicity, and efficiency. This versatile system can be implemented in various ways, allowing for tailored and seamless integration.

Gateway

As a gateway, Wiser for KNX enables the communication and integration of various products and functions for building control such as light, blinds and heating

User interface

As a user interface - based on a web server application - all functions can be controlled and displayed on local and mobile devices such as tablets or smartphones

Monitoring

Wiser for KNX can display gas, water and electricity readings and monitors consumption on a daily, monthly and annual basis. It stores and analyzes data and can therefore determine energy saving potential and increase the energy efficiency of a building.

Event controller

Wiser for KNX can also serve as an event controller, sending a notification/message in the event of an error or failure.

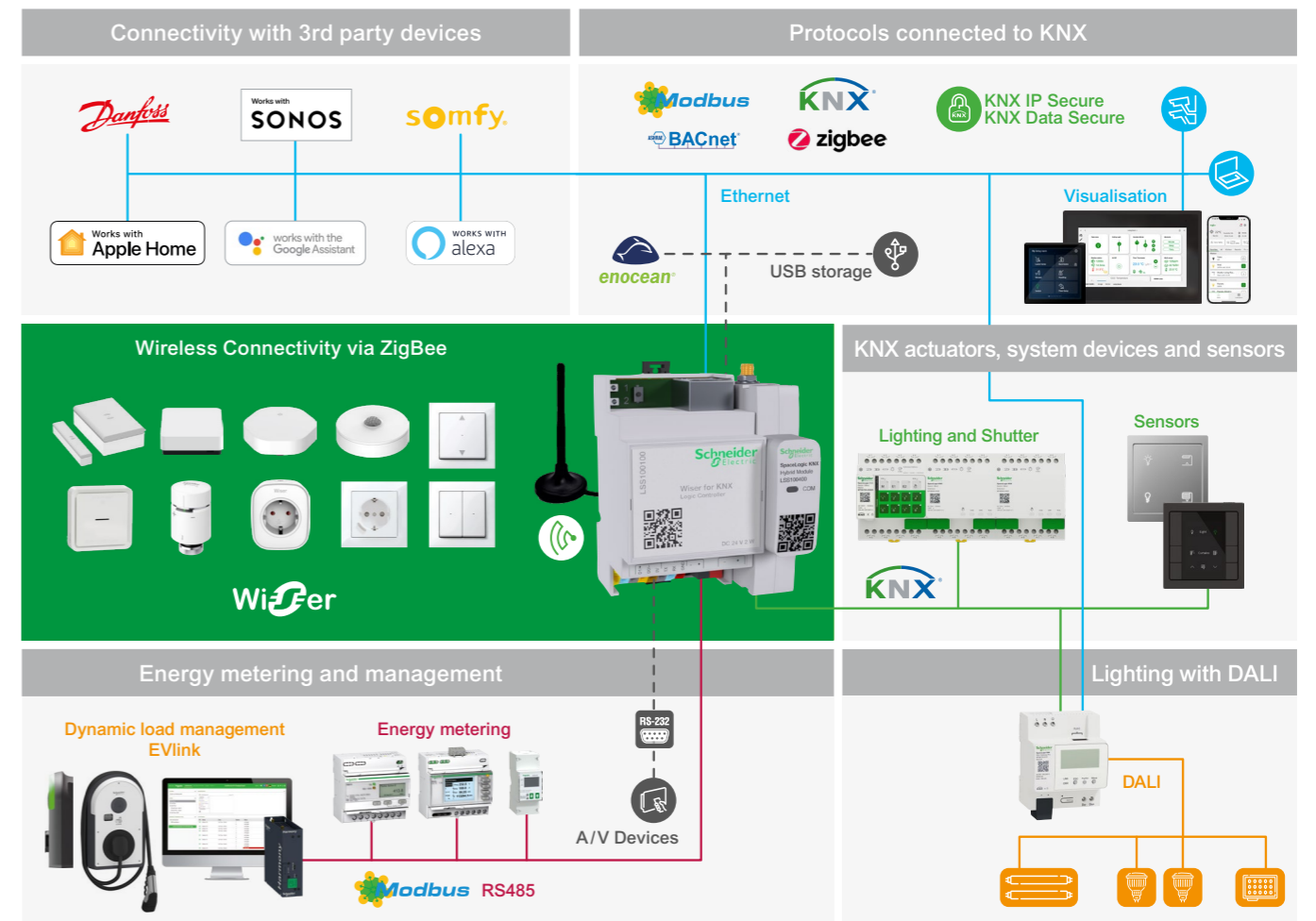
Wiser for KNX

Wiser for KNX provides a user-friendly interface and intuitive programming tools, making it easy for customers to manage and control their building systems. It offers a wide range of features and functionalities, including lighting control, HVAC control, shading control, energy monitoring, and more.

With Wiser for KNX, customers can create personalized automation scenarios, set schedules, and adjust settings according to their preferences. The system also supports remote access, allowing users to monitor and control their building systems from anywhere via a mobile app or web portal. Wiser for KNX is designed to optimize energy efficiency, improve occupant comfort, and enhance overall building performance. It offers seamless integration with other Schneider Electric products and systems, enabling customers to build a comprehensive, scalable, and future-proof building automation solution.



- IP connection for communication in BACnet server 150 points, modbus, KNX, and Web services. It also grants access to the Web server to configure and display the graphical user interface
- USB port
- RS485 connection to link with any Modbus device
- KNX connection for communication with KNX
- RS232 connection for Hybrid module to extend / enrich by Zigbee devices





KNX Hybrid solution

Upgrade KNX installations effortlessly, without the need to replace existing cables. Whether renovation or building a new house, futureproofing the home has never been easier with the innovative SpaceLogicKNX Hybrid solution.

With the introduction of the KNX Hybrid module, Schneider Electric's Wiser wireless products can seamlessly be integrated into the Wiser for KNX or spaceLYnk controllers. This integration allows to expand the capabilities of KNX installation and unlock a whole new level of functionality.

The SpaceLogicKNX Hybrid solution provides a convenient and cost-effective way to enhance home automation system. By combining the power of wired KNX technology with the flexibility of wireless connectivity, areas that were previously difficult to reach can be controlled.



The best of both worlds

The Hybrid solution unlocks a world of endless possibilities for living or working space. With this innovative solution, customers enjoy unparalleled comfort, remarkable energy efficiency, and a truly intelligent environment. Whether they prefer the reliability and flexibility of KNX or the wireless convenience of Wiser, our hybrid solution offers the perfect synergy, bringing together the strengths of both technologies. Say goodbye to limitations and embrace a new era of smart buildings!



Easy installation

The KNX Hybrid module is installed in the cabinet and can be connected with the Wiser for KNX and the spaceLYnk controller. It comes with the connection cable and an external antenna, that is placed outside the cabinet to provide the best connection / signal.

Now you can connect Wiser components to the KNX system. They are detected and added automatically to the Wiser for KNX. The configuration can be done via plugin which is available on marketplace or via eConfigure KNX.

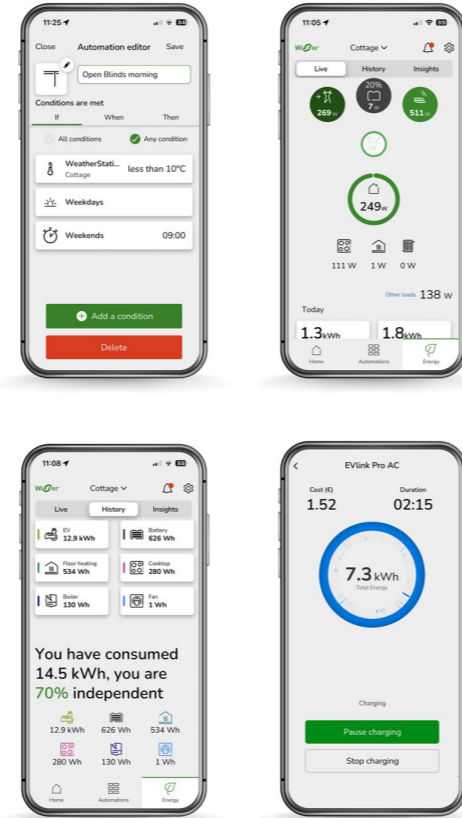
Wiser KNX App

Operating the KNX Smart Home manually, automatically or via voice control? Managing the home in a more convenient and personalized way? The new Wiser KNX app addresses the needs of our customers and takes the smart home experience to a new level.

All-in-one app

The Wiser KNX app allows to manage all KNX functions, like energy, heating and cooling, safety, lighting, and shutters, directly from the smartphone:

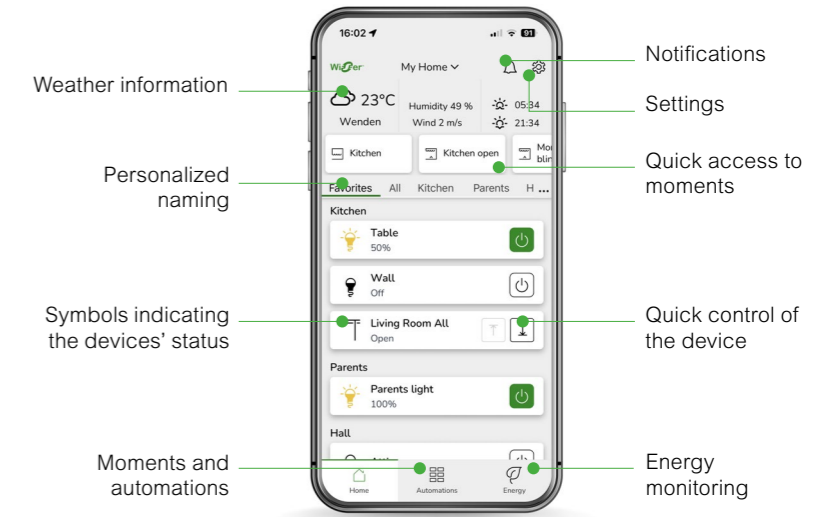
- Lights, blinds, heating, cooling, etc.
- Advanced schedules
- Moments (scenes) and automations
- Energy awareness
- EV support
- Device's notifications
- Home Management (multi-site)



Intuitive user interface

The Wiser KNX app brings the smart home experience to the fullest thanks to its simple, clear and intuitive design. It provides a clearly structured overview of all rooms, devices and moments. The app delivers the flexibility to control all KNX devices, create schedules, moments or automations. All is fully aligned with personal needs and customized.

- All important functions in one view
- Bold symbols
- Clear layout
- Individual, personalized naming
- Quick access to your other homes



Maximize comfort

Personalized "Moments" for all kinds of scenarios and situations can be created in any home. A "Moment" enables to set a specific scene – for example a "Movie Moment" can dim the lights and close the shutters. Moments can be activated manually, or through an automation.

Reduce energy bills

With energy costs on the rise, knowing how is used is key to optimizing energy bills. The Wiser KNX app provides real-time information on electricity consumption and equipment status helping to maximize savings.

Peace of mind

The Wiser KNX app notifies of abnormal events such as high humidity, smoke, water leakage, unexpected motion, or unusually high energy use, so actions can be taken before the events turn into costly emergencies.

Flexible and future-proof

No need to worry changing needs. Moments or schedulers can be easily adapted. New devices, such as Wiser free located switches or can be added with the Hybrid module.



A multitude of options

spaceLYnk is the key to provide a complete solution, delivering unlimited flexibility, simplicity and efficiency. spaceLYnk can be used in several ways.



Flexibility
spaceLYnk connects different home automation systems

Gateway

As gateway, it allows communication and interoperation of different building control products and functions like lighting, blinds and heating. Thanks to this function, KNX lighting management can be simply integrated into the central BMS.

User interface

As user interface – based on a web server application – all functions can be controlled and be displayed on local and mobile devices such as tablet PCs or smartphones.

Memory function

spaceLYnk is able to display measurement of gas, water and electricity and monitors the consumption on a daily, monthly and yearly basis. It stores and analyses data; this allows to identify energy-saving potentials, thus in creating the Energy Efficiency of a building.

Logic controller

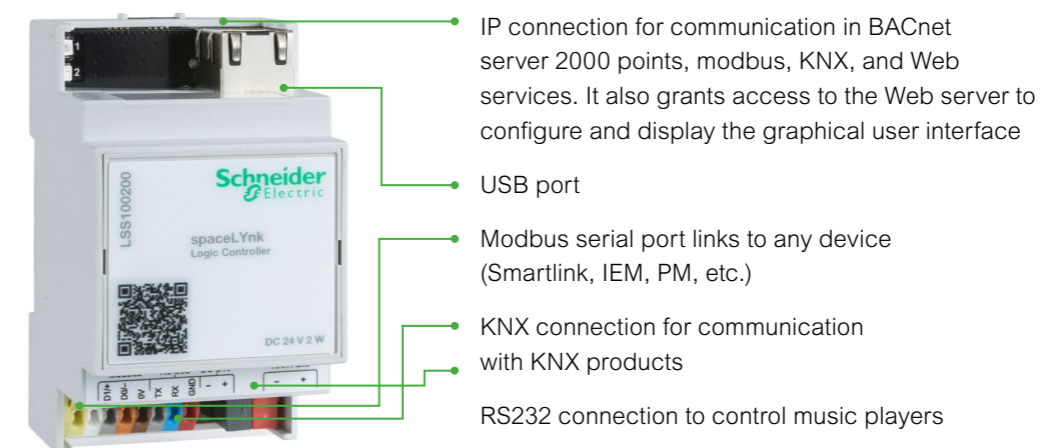
Advanced logic functions are possible in order to optimize energy efficiency and comfort.

Event controller

And finally as an event controller, which sends a notification/message in case of any failure or issue.

spaceLYnk

spaceLYnk is the key to a complete building management solution in small and medium-sized buildings as well as in large buildings. The spaceLYnk serves multiple functions for building control, consumption and energy monitoring, or as a logic module and event controller. As a gateway, the device enables communication between various building management protocols, ensuring the easy integration of a wide range of products and functions. All functions can be displayed and controlled through the user interface, locally and on mobile devices. Gas, electricity, and water measurements are clearly displayed and monitored on a daily, monthly, or yearly basis. The spaceLYnk stores and analyzes all data, identifying possible energy-saving potentials and thus contributing to more energy efficiency in the building.



Connect KNX with the IoT

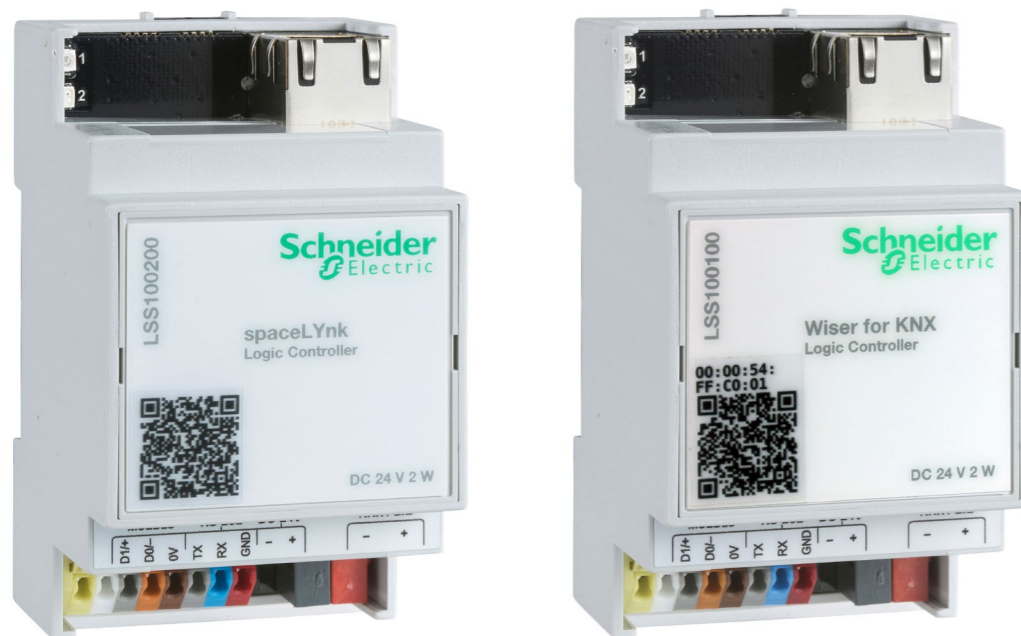
Interoperability has always been part of the DNA of KNX-based solutions. With the multitude of new home and building automation solutions and widespread use of the IoT, new ways of interaction are needed.

The SpaceLogic KNX IoT 3rd Party API from Schneider Electric allows the integration of third-party applications and systems into the SpaceLogic KNX IoT system. This API enables developers to create custom applications that access the functions and data of the SpaceLogic KNX IoT system, expanding its functionality and enabling seamless integration with other IoT platforms and solutions.

The Wiser for KNX and spaceLynk controllers are the gateways between the KNX Installation and the IoT world. Schneider Electric provides 3rd party systems with a REST based API, which can be accessed through the cloud or in Local Network only. This API follows the standardized KNX IoT 3rd party API specifications defined by the KNX association. The authentication between the 3rd party system and Wiser for KNX or spaceLynk follows the industry standard OAuth2.0.

Endless possibilities

Any company or system integrator can develop a solution to interface different systems with our SpaceLogic KNX installation; and by doing so, offer services and or an enhanced user experience for their users.



SpaceLogic KNX BMS IP Gateway

The SpaceLogic KNX BMS IP Gateway is a bidirectional multifunctional device that allows you integrate SpaceLogic KNX installations within Ecostruxure Building Operation. The main communication interface is KNX TP and BACnet IP protocols.

Three functions combined in one device:

- KNX IP router (max. 4000 objects)
- KNX IP interface
- DPSU choke power supply

The Gateway allows professional installers to integrate in BMS (Building Management Systems), deploy SpaceLogic KNX installations more cost and time effectively thanks to features combination.

Configuration and commissioning is straightforward and fast thanks to embedded Application simplifying the process. The architecture can be simpler because it is no longer necessary to use additional IP routers and KNX power supplies with respect to given parameters.



Connect Emergency Lighting with KNX

Emergency Lighting provides illumination when the main power is off ensuring that occupants of a building can evacuate safely in the event of a critical situation. In Smart Buildings Emergency Lighting can be integrated into DALI networks thanks to two dedicated systems: **self-contained Exiway DALI** and **centralized Exiway Power DALI**.

Operating on a KNX-DALI architecture, both **ordinary and emergency lighting devices are connected on the same communication bus**, managed by the same controller, and linked to the KNX environment.

This setup offers advantages such as:

- reduced cabling costs
- single access point control of the entire building's lighting .

The controller of the entire DALI network (with ordinary and emergency luminaires) is spaceLYnk, on which a special application is implemented to ensure all the required functionalities. spaceLYnk controller has BACnet IP communication protocol which allows its integration into Building Automation systems.

Via Web Server or EcoStruxure it would be possible to have:



Remote supervisioning



Status report

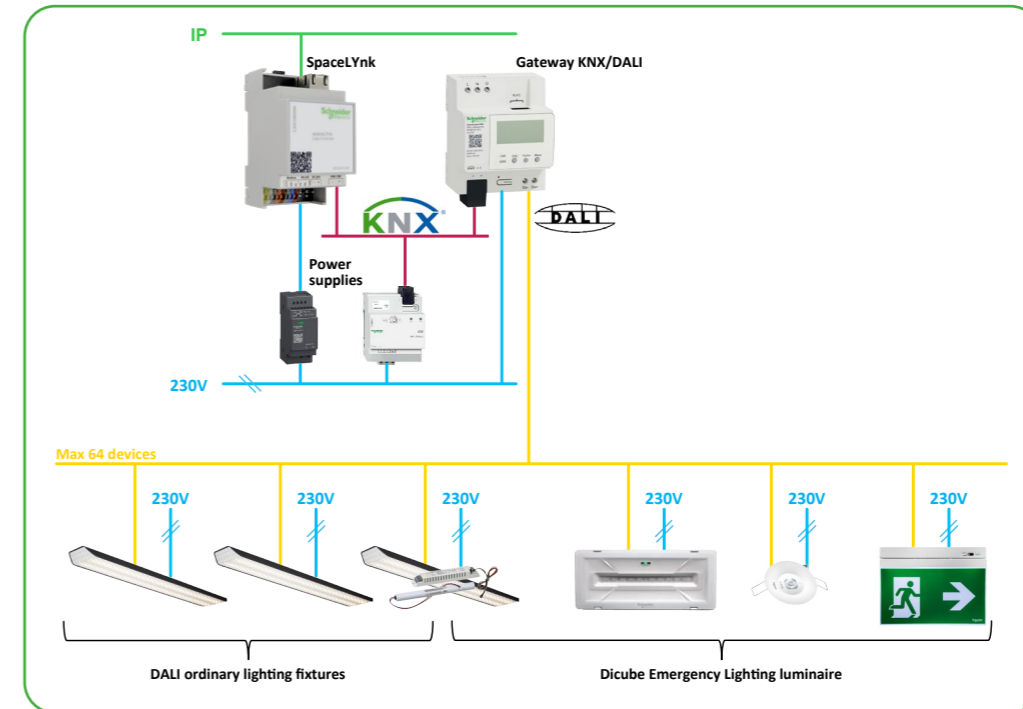


Graphic maps

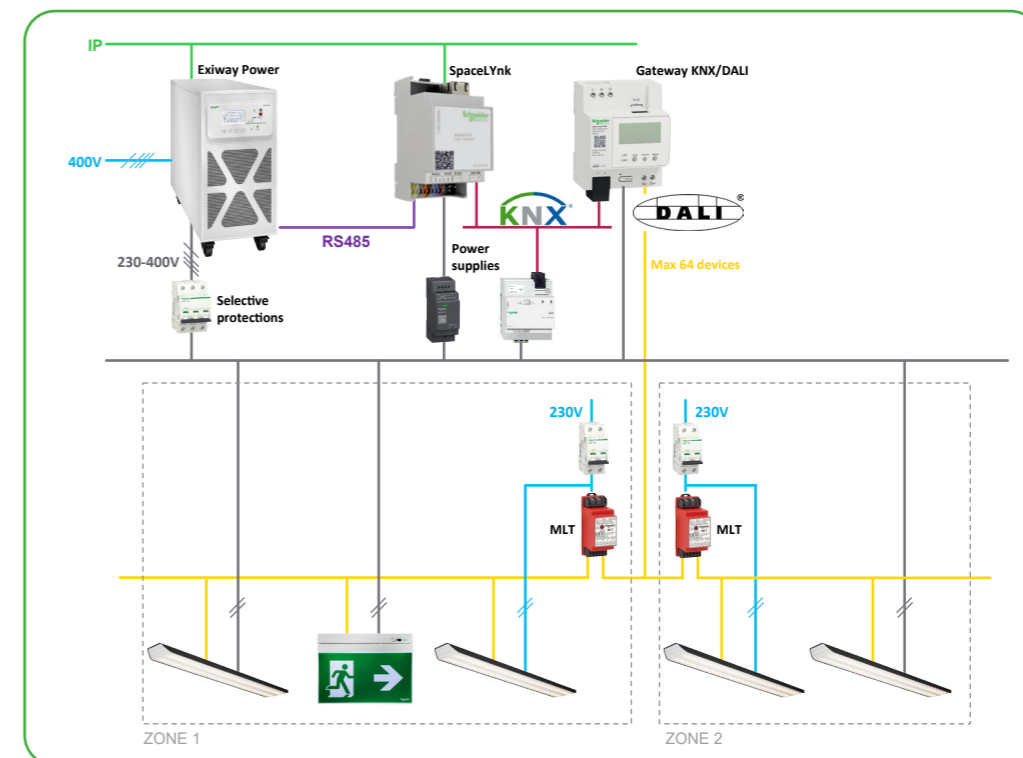


The system integrator, configuring the system, can take advantages from spaceLYnk user interface, to create to own graphic view and he can also include a map of the installation.

Self-contained and centralized DALI systems



Self-contained Exiway DALI system



Centralized Exiway Power DALI system



SpaceLogic KNX 4" Touch Unit

The innovative, frameless KNX 4" Touch Unit is the all-in-one-control device that will convince any customer. It will fit any interior and goes along with any kind of push-button designs. Its slender structure creates a modern and elegant appearance in homes, offices, and hotels. On the high-resolution display, several functions and tailored scenes can be put in place easily and intuitively.

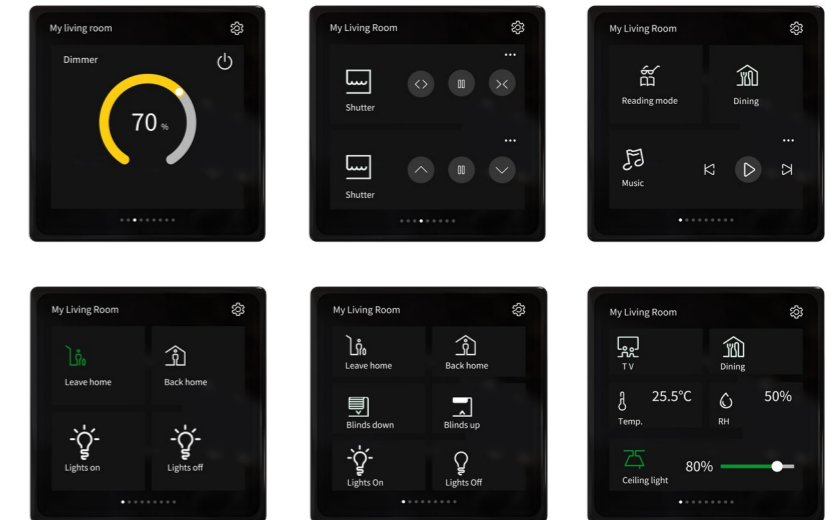
- Frameless design
- Low profile
- 4 inch LCD Touch screen (10 cm)
- High resolution display 480 x 480 px
- Intuitive operation
- Up to 6 functions on 9 screens
- Plain symbols
- Free text
- Personalized screensaver and background image
- Tailored icons / symbols



All in one control

The KNX 4" Touch Unit gives maximum freedom. You can manage one or more rooms from one is a breeze, thanks to its nine screens and up to six functions each. It is the ideal choice for the comprehensive control of all building functions in one go, and its energy monitoring can assist in finding ways to reduce energy usage:

- Switch
- Dimmer, RGB and RGBW control
- Temperature control
- Temperature set point shift
- Air Condition
- Fan coil
- Air quality
- Blinds, curtains and shutters
- Scenes
- Audio
- Monitor Energy consumption
- Time and date as screensaver



Limitless capabilities

The numerous and practical features leave nothing to be desired by the customer:

- The integrated temperature sensor send the current temperatur thus allowing to regulate the underfloor heating.
- The proximity sensor activates the display without the need for touch.
- The orientation light can be switched on and used as such in night mode.
- The cleaning mode prevents unintentional activation by setting the display to inactive for a pre-set period of time.
- A stand by / night mode lowers energy consumption and prolongs the lifetime of the display.
- A locking function safeguards the device from potential damage and displays a clear symbol when it has been activated.
- An optional pin-code based device access offers added protection, such as in public spaces.
- The micro USB interface allows custom icons, backgrounds and screensavers to be uploaded.
- Three background themes can be selected several functions and tailored scenes can be put in place easily and intuitive.



KNX Push-button dynamic labeling

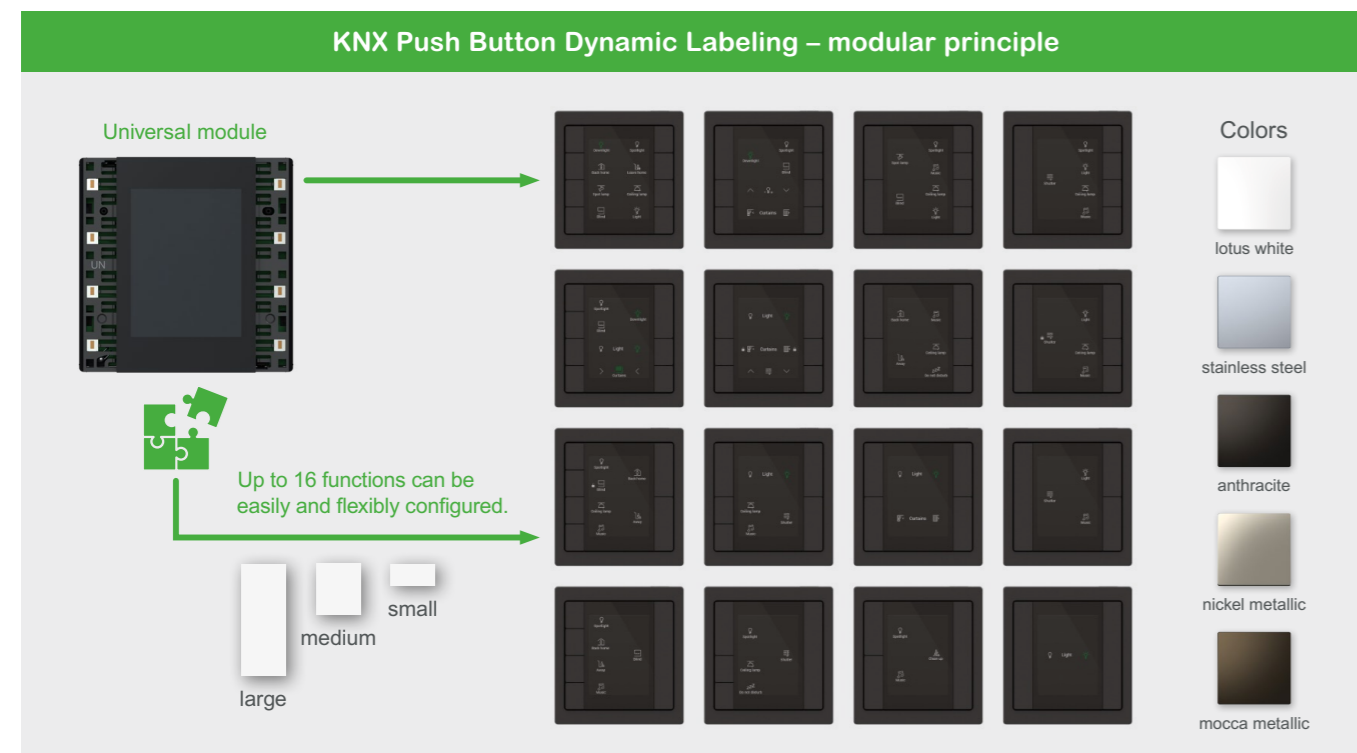
Flexibility to the core

The new KNX Push Button with dynamic labeling brings the highest flexibility and ease of use:

- Rockers are provided separately, reducing storage space and costs.
- Fast reaction on changes or late customer decisions.
- Configuration in ETS and eConfigure.
- Front programming mode allows to put the already installed device into programming mode without dismounting.
- Integrated temperature sensor with set point shift.

The new smart brick concept

Thanks to the smart modular concept of the Universal module, changes can be easily made at any time during project planning or beyond - even if the device is already installed. In total 16 different combinations are possible for maximum flexibility.



Dynamic labeling

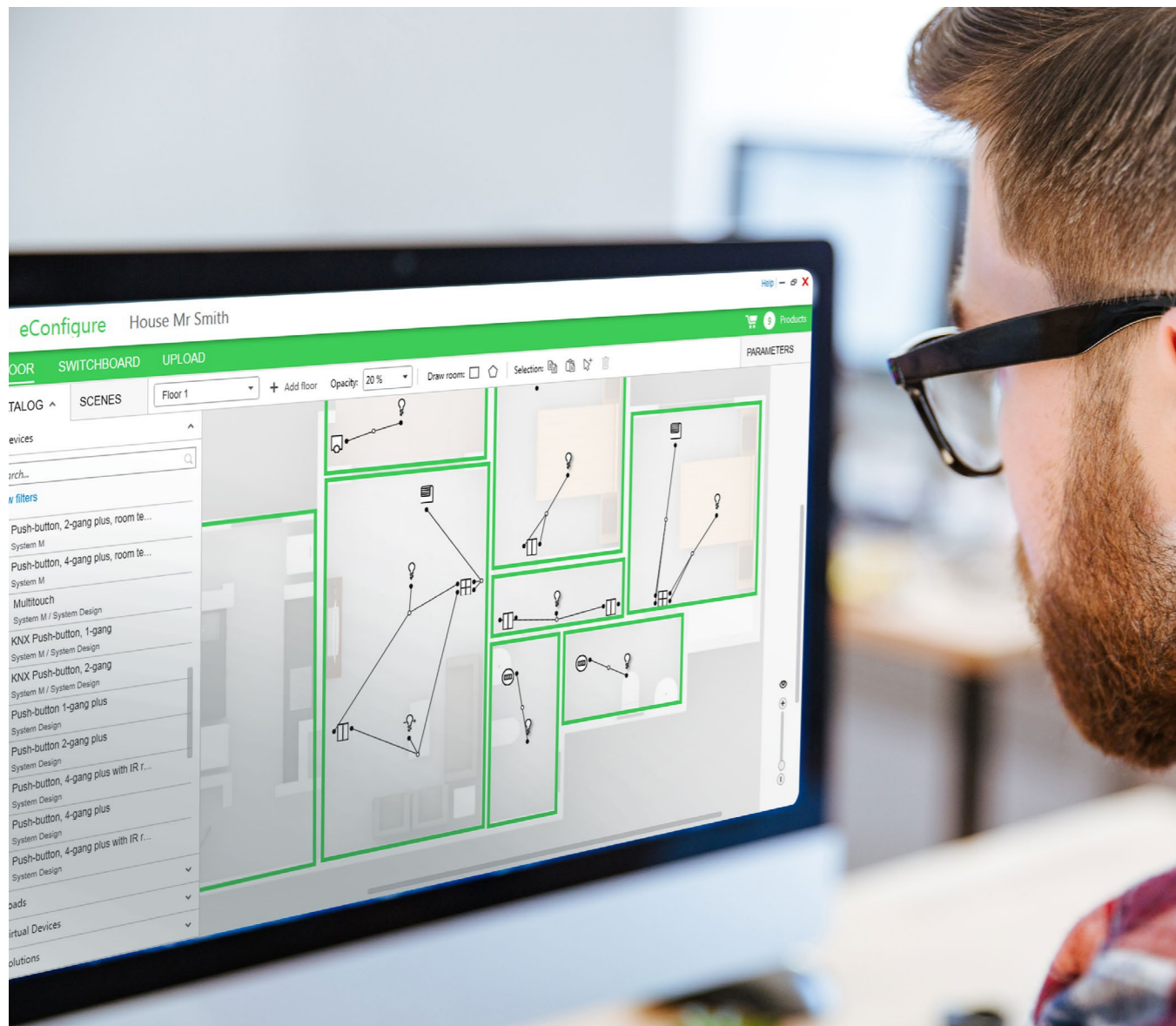
Thanks to the dynamic display and digital labeling, no paper is needed, reducing preparation time and offering more flexibility.

- Dynamic, paper-free labeling changeable at any time
- Labeling in ETS or eConfigure
- Clear and intuitive icons
- More than 50 icons for a variety of functions in homes, hotels and offices
- Text customizable
- Free combinations of text and icons: only text, only icons, text and icons
- 5 colors can be combined within one device

System Design

The KNX Push-button with dynamic labeling comes in five appealing and modern colors of the Merten System Design switch range matching the interior trends and styles of investors, and homeowners.





A fast, easy to use and intuitive software

From design to installation and maintenance, eConfigure KNX 2.0 can be used easily: Click, move, drop - no programming!

Time Savings:

Own libraries of solutions can be created and reuse across projects.

Reliable:

Only products and loads that are relevant can be linked thus avoiding mistakes!

Quality:

The diagnosis page helps the partner to identify devices of the network and detects configuration inconsistencies.

Peace Of Mind:

KNX is the most used and reliable protocol in home and building automation.

Flexible:

Devices from different open protocols can be integrated: KNX, Zigbee, DALI.

Customizable:

Allows partners to import floor plans and place graphically devices on it.

Efficient:

design solutions once and use them for future projects.

Simple and smart:

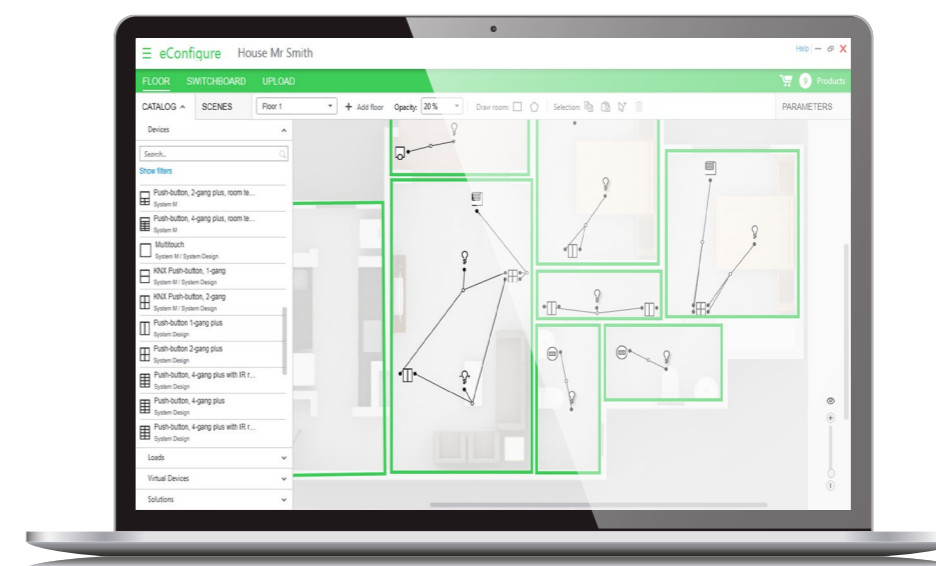
a professional bill of material can be generated and shared with stakeholders.

eConfigure KNX 2.0

eConfigure KNX 2.0 is the graphic design and commissioning tool for time-saving, easy-to-use and intuitive design and commissioning of home and building automations with KNX.

It gives Electricians and System Integrators the capability to design and commission automation installations for lighting, shutters, blinds, and temperature control for residential projects (villas, chalets) and small and medium commercial buildings (offices, schools, stores, restaurants, etc.)

With implementing the Hybrid solution to our SpaceLogic KNX offer, now our Zigbee protocol based Wiser products, can be also commissioned in the latest eConfigure KNX 2.0 software version.



Latest launches – new offers



At Schneider Electric, we are constantly expanding our portfolio by developing new products, solutions, and innovations within the SpaceLogic KNX family.



SpaceLogic KNX
PushButton Interface Basic/Pro



SpaceLogic KNX DALI
Broadcast Gateway



Resi9 Energy Meter Wired



KNX Secure



SpaceLogic KNX Remote




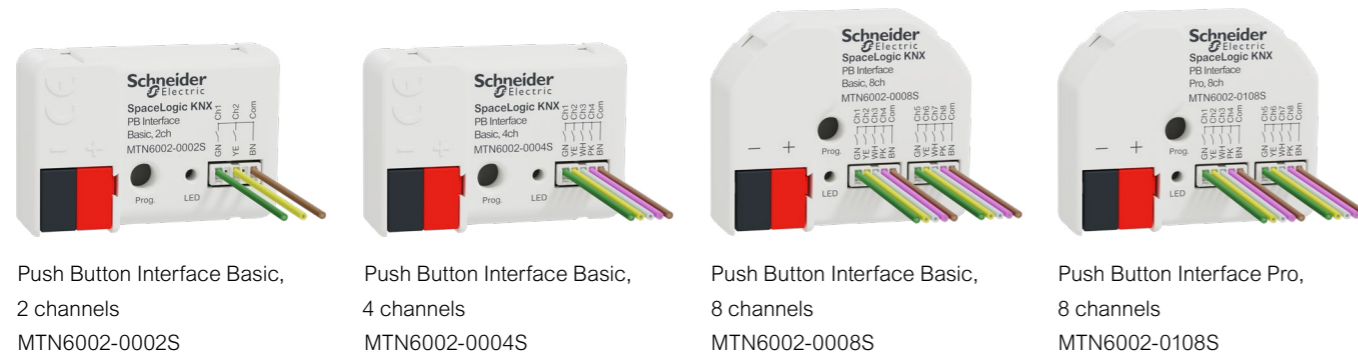
SpaceLogic KNX Push Button Interface Basic/Pro

With the new KNX Push Button Interfaces, you can turn conventional switches or push buttons into KNX-compatible control devices. Additionally, windows or other auxiliary contacts can be integrated into the KNX system thanks to the interfaces.

The new Push Button Interfaces are available with 2, 4, or 8 channels, the 8-channel interface also available as a Pro variant.

All Push Button Interfaces are Data Secure and feature lighting, shading, heating, security, and energy functions. The 8-channel Push Button Interface Pro additionally offers two analog inputs for a temperature sensor, logic functions, and pulse counting. The maximum cable length is 10 meters, and for the Pro version, it is 30 meters.

 **KNX Secure**
All new Push Button Interfaces are KNX Data Secure



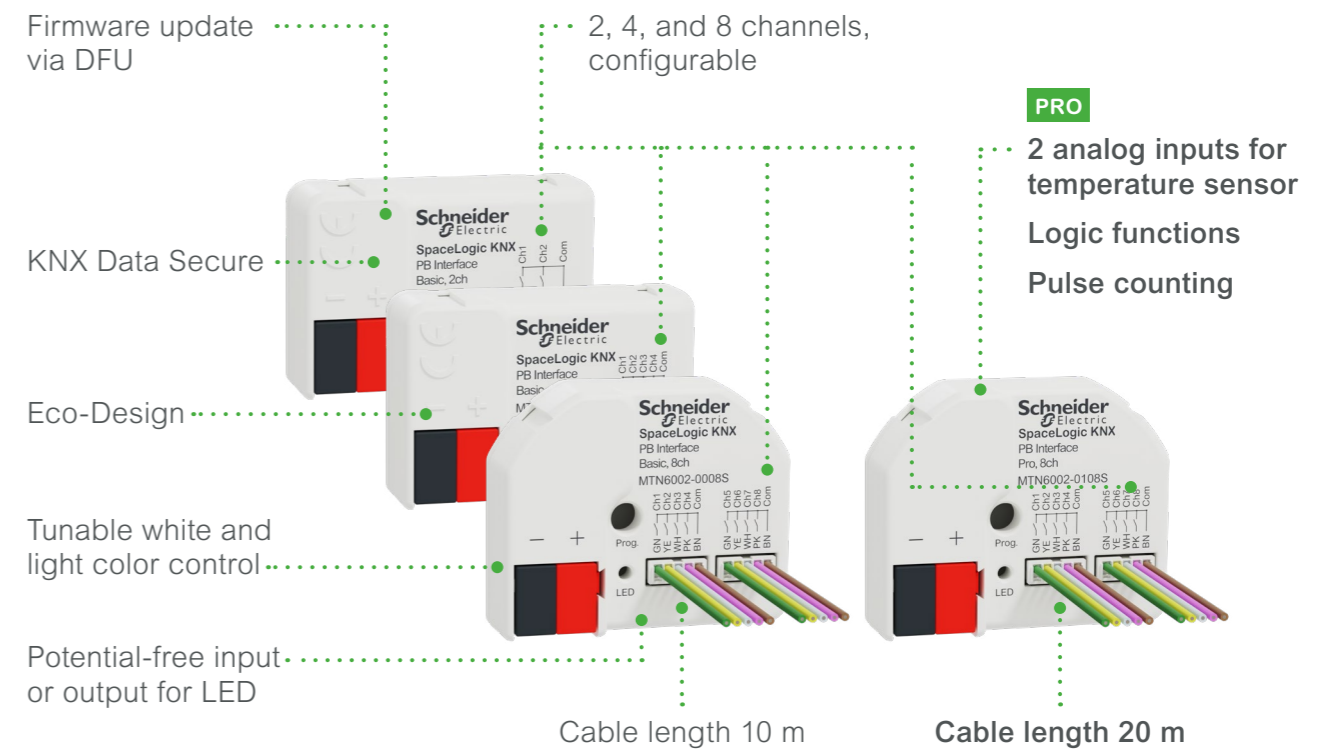
Push Button Interface Basic, 2 channels
MTN6002-0002S

Push Button Interface Basic, 4 channels
MTN6002-0004S

Push Button Interface Basic, 8 channels
MTN6002-0008S

Push Button Interface Pro, 8 channels
MTN6002-0108S

Discover the various features of the new KNX Push Button Interfaces



Funktion	MTN6002-0002S	MTN6002-0004S	MTN6002-0008S	MTN6002-0108S
Channels	✓	✓	✓	✓
KNX Data Secure	✓	✓	✓	✓
Configurable	✓	✓	✓	✓
Tunable white and light color control	✓	✓	✓	✓
Eco-Design	✓	✓	✓	✓
Firmware update via DFU	✓	✓	✓	✓
Potential-free input/output for LED	✓	✓	✓	✓
Pulse counting	✗	✗	✗	✓
2 analog inputs for temperature sensor	✗	✗	✗	✓
Logic functions	✗	✗	✗	✓
Cable length	10 m	10 m	10 m	30 m



SpaceLogic KNX DALI Broadcast Gateway

Introducing the innovative KNX DALI Broadcast Gateway, a game-changer in smart lighting control! This advanced device simplifies the management of electronic control gear (ECGs) by allowing for seamless operation of up to 32 devices per channel across 4 channels.

With its broadcast communication feature, commissioning and maintenance become quick and hassle-free, eliminating the need for DALI commissioning. The KNX DALI Broadcast Gateway not only supports easy device replacement but also enables precise control over color and color temperature, all while ensuring top-notch security with its KNX Secure certification.



 **KNX Secure**

Discover the various features of the new KNX DALI Broadcast Gateway



Control Capabilities:

- Manage up to 32 devices per channel.
- Supports 4 channels for enhanced flexibility



Effortless Commissioning & Maintenance:

- Quick setup with no DALI commissioning required.
- Easy replacement of faulty devices without addressing or grouping



Advanced Features:

- Supports color and color temperature control (DALI Device Type 8).
- Power and energy metering according to DALI type 51



KNX Secure:

- KNX Secure certified to protect against manipulation and data misuse



SpaceLogic KNX
DALI Gateway Broadcast Master
MTN6725-0005S

Product features overview:

- 4 DALI channels, electrically isolated into two groups
- 32 devices per channel
- DALI-2 certified
- Single-master application controller
- Integrated power supply
- Compact design (4TE)
- Manual control of the 4 channels via buttons on the front of the product
- LED status and error indication
- KNX Secure
- 16 scenes per channel
- Color and color temperature according to DALI Type 8
- Power and energy metering according to DALI type 51
- Dimming time, scene module, staircase timer delay, lock, priority, alarm, failure
- Firmware update via KNX Bus



Discover Resi9 Energy Meter Wired

Load availability and energy metering in a KNX installation

The new Resi9 Energy Meter Wired is a powerful enabler of energy usage analysis, monitoring and alarming capabilities close to final loads. It is available in two versions, for measuring 1 phase circuits or 3 phases circuits.

The Resi9 Energy Meter Wired can be easily integrated into a KNX system to monitor energy consumption. It provides accurate view of how energy is used at every level, from the incoming circuit to the final electrical load.

Resi9 Energy Meter Wired, 1 phase

The Resi9 Energy Meter Wired for 1 phase can be connected to 6 metering points and comes with a compact design, ideally for retrofitting to existing cabinets.



Resi9 Energy Meter Wired, 3 phase

The Resi9 Energy Meter Wired for 3 phase supports 6 measurement channels.

They can be mixed in between 3 phase and 1 phase circuits measurement, leading to an extremely flexible product for projects or upgrade of existing electrical cabinets. The Energy Meter can also be used for single phase circuits.



Energy measurement from source to loads

The Energy Meter measures current, voltage, active power, power factor and active energy received and delivered in case of Photovoltaic installation, and communicates this data via Modbus serial RS485 communication to the KNX controllers Wisier for KNX or spaceLYnk.

All the Values are measured in accordance with the IEC 61557-12 standard for 1% accuracy (class1). The energy data is displayed in the controller web pages and Wisier KNX app.

Resi9 Energy Meter Wired

KNX Connectivity

RS485

Current transformers

R9MCT80

R9MCT160

R9MCT250

Three current transformers are proposed with different ratings : 80/160/250A. For single phase Energy Meter, only CT80A is compatible. Specific marking on the CT is showing the current flow to avoid mismatch on the power cable.

Sources

Resi9 Energy Meter Wired – Benefits at a glance

<p>Compact design: Ideal for retrofitting, needs less space in the cabinet.</p>	<p>Versatile metering: Up to 6 metering points for single phase; 90 points / Wisier for KNX and spaceLYnk.</p>	<p>Connected: With KNX systems via Wisier for KNX and spaceLYnk controllers.</p>	<p>Cost effective: Competitive price.</p>
<p>Clear and intuitive: Visualization via Wisier KNX app or the controllers (customized).</p>	<p>Fast and easy commissioning: Modbus profiles are already stored in the Wisier for KNX and spaceLYnk controllers.</p>	<p>Modular and adaptable: Perfectly suited to adapt to changing business needs, energy regulations or certifications, retrofit applications on final distribution circuits.</p>	<p>Sustainable: It assists your ISO 50001 goals and supports your energy efficiency and carbon footprint reduction targets.</p>

Loads



New KNX Secure products

KNX Secure

In our increasingly digital world, cybersecurity is paramount. This holds especially true for building automation, where safeguarding systems against cyber attacks is of central importance. That's why Schneider Electric is progressively incorporating the KNX Secure Standard into all relevant products within our SpaceLogic KNX portfolio.

The specification for KNX Secure distinguishes between KNX IP Secure and KNX Data Secure. KNX IP Secure protects the communication over IP while on KNX TP the communication remains unencrypted. Thus, KNX IP Secure can also be used in existing KNX systems and with non-secure KNX TP devices. KNX Data Secure describes the encryption at telegram level. This means that the telegrams on the twisted pair bus are also encrypted.

Devices supporting
KNX Secure



KNX IP Secure for the router function

The coupling of individual KNX TP lines via IP is referred as KNX IP routing. Routing communication is encrypted with KNX IP Secure. This means that only IP devices that know the encryption key can decrypt the communication and send valid telegrams. A time stamp in the routing telegram ensures that no previously recorded telegrams can be replayed. This prevents a replay attack.

The key for the routing communication is reassigned by ETS for each installation. If KNX IP Secure is used for routing, all connected KNX IP devices must support security and be configured accordingly.

KNX Data Secure for the device

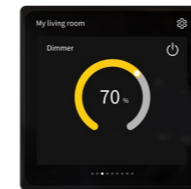
The KNX secure device also supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams. Encrypted telegrams are longer than the previously used unencrypted ones. For secure programming, the interfaces and line couplers used must support so-called KNX long frames.

KNX IP Secure for the interface function

When using a KNX IP device as an interface to the bus, access to the installation is possible without security for all devices that have access to the IP network. With KNX Secure a ETS project password is required. A secure connection is already established for the transmission of the password. All communication via IP is encrypted and secured.

In both modes, the interface forwards both encrypted and unencrypted KNX telegrams. The security properties are checked by the respective receiver or tool.

KNX Secure Push Buttons



4" Touch Unit
MTN6215-0410S



Dynamic Labeling Universal
MTN6194-6010S



Wiser for KNX
LSS100100



spaceLYnk
LSS100200

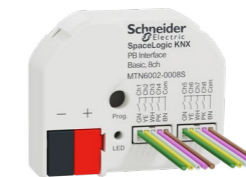
SpaceLogic KNX Push Button Interfaces



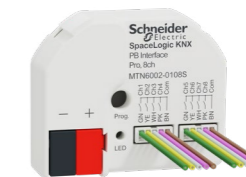
MTN6002-0002S
(2Channel)



MTN6002-0004S
(4Channel)



MTN6002-0008S
(8Channel)



MTN6002-0108S
(8Channel Pro)



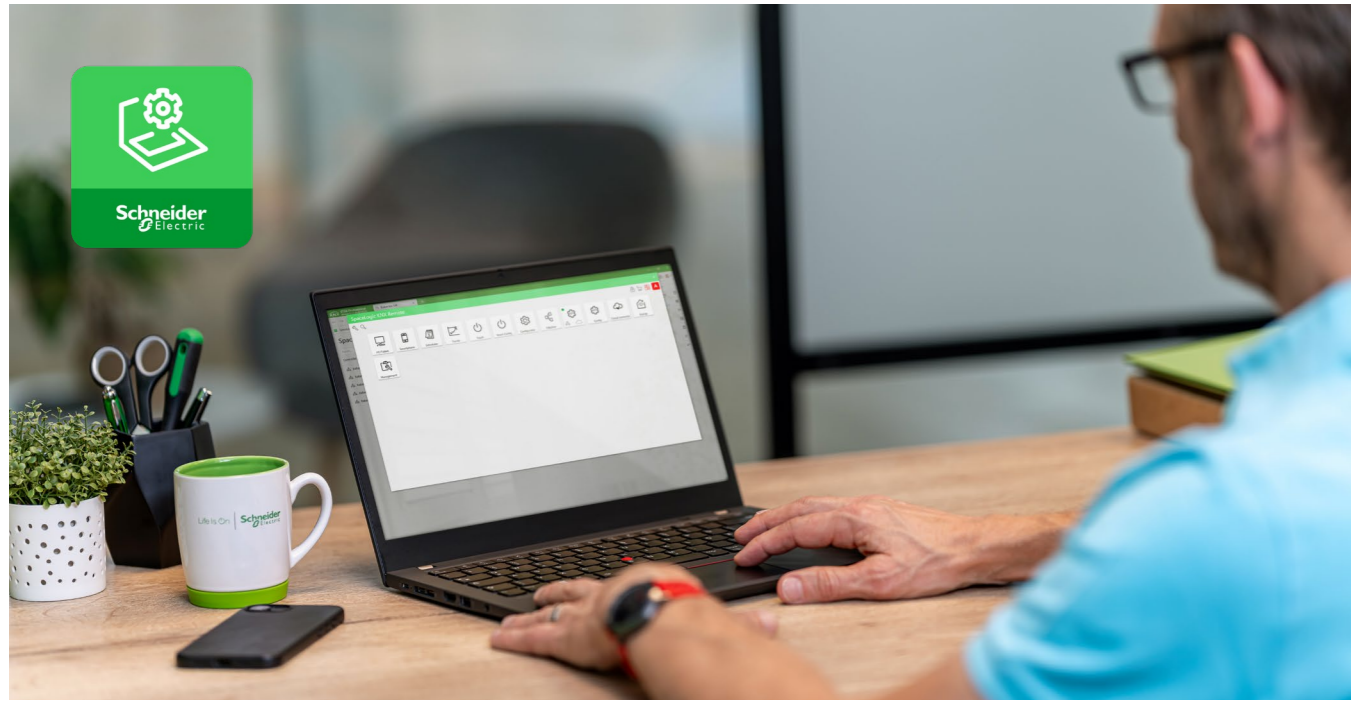
SpaceLogic KNX
Switch / Blind Master
MTN6705-0008S



SpaceLogic KNX
Dimmer Master
MTN6710-0102S



SpaceLogic KNX
DALI Broadcast Gateway Master
MTN6725-0005S



SpaceLogic KNX Remote

Commission remotely. Deliver reliably. Stay ahead.

SpaceLogic KNX Remote is a powerful, subscription-based feature designed specifically for System Integrators. It enables secure remote access and configuration of KNX projects and controllers—anytime, anywhere.

With support for Wiser for KNX and spaceLYnk devices as your on-site interface, you can manage installations remotely with confidence and efficiency.

Rethinking On-Site Norms

Traditionally, commissioning KNX installations has meant being physically present on-site—managing devices, troubleshooting configurations, and ensuring seamless integration.

Stay ahead, not on-site

Why stick to the old ways when you can do it smarter, faster, and more flexibly? Say goodbye to hours lost in traffic, extended on-site visits, and expensive, complex VPN setups.

Turn challenges into opportunities

SpaceLogic KNX Remote is designed to streamline the remote commissioning process, providing an efficient solution that aligns with the needs of System Integrators and enhances their operational capabilities.



Get started

Say goodbye to on-site limitations with the new and simple SpaceLogic KNX Remote solution. With secure remote access, you can configure KNX projects and controllers from anywhere, streamlining your workflow and boosting efficiency. To get started, you'll need three essential components:



1 Interface Hardware

Choose one of the following Schneider Electric controllers to act as your secure gateway to the on-site installation:

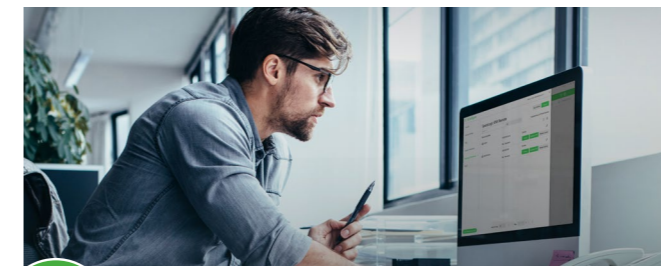
- Wiser for KNX
- spaceLYnk



2 Configuration Tools

Use your preferred KNX project software:

- ETS or eConfigure
- Plus, download and install the **SpaceLogic KNX Remote Software Package**—available **free of charge**.



3 Subscription Plan

Activate the solution with a **purchased subscription**:

- Available in **multiple options** to suit your business needs and scale.

Turn Remote Access into Recurring Revenue

SpaceLogic KNX Remote empowers System Integrators to expand their service offerings and optimize costs through flexible subscription models and remote capabilities

Services



SpaceLogic KNX Remote



Version	Art. no.	
Monthly subscription for 1 controller	LSS9002200	New
1-year subscription for 1 controller	LSS9002100	New
1-year subscription for 5 controllers	LSS9002101	New
1-year subscription for 25 controllers	LSS9002102	New
1-year subscription for unlimited controllers	LSS9002103	New
5-year subscription for 1 controller	LSS9002300	New
10-year subscription for 1 controller	LSS9002400	New

SpaceLogic KNX Remote is a subscription-based solution designed for system integrators and electricians. It enables secure remote configuration of KNX projects (through ETS or eConfigure) and access to Wisier for KNX (LSS100100) and spaceLYnk (LSS100200) controllers. The solution reduces the need for on-site interventions and improves response times for maintenance.

Features

- Secure remote access to configure KNX projects and manage Wisier for KNX or spaceLYnk controllers directly within the installation.
- Optional project backup
- Flexible subscription models regarding time (monthly, yearly, 5 or 10 years) and number of controllers *
- Scalability: from single installations to large customer bases
- Controller reassignment is permitted (1 reassignment per month for annual subscriptions and 1 reassignment per year for 5-/10-year subscriptions)
- Email notifications during the various steps of subscription purchase, changing, and renewing subscriptions.

Administration

- Subscriptions are managed via digital vouchers (activation via Schneider Electric Software Shop).**
- Manual renewal required before expiration

Requirements

- ETS users: ETS 5 or 6 + SpaceLogic KNX Remote ETS-App
- eConfigure users: eConfigure Lite, Expert, or Expert Student V3.0 or higher
- Wisier for KNX (LSS100100) or spaceLYnk (LSS100200) controller with firmware 3.0 or higher
- Internet connection for remote access
- Schneider Electric Cloud account
- Valid subscription assigned to each controller
- Authorization from each site owner to access their installation by sharing the controller with your account.

The user guide shows step by step how to use SpaceLogic KNX Remote:
<https://www.productinfo.schneider-electric.com/spacelogicknxremote/>

* Possibility to purchase multiple one-year subscriptions for different controller quantities (1, 5, or 25 controllers) in a single transaction. After redeeming the digital vouchers, all subscriptions are automatically converted into individual one-year licenses for single controllers. Example:

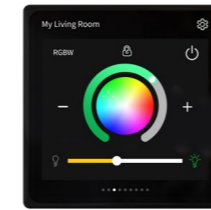
If you need access to 31 controllers, you can buy:

- One subscription for 25 controllers
- One subscription for 5 controllers
- One subscription for 1 controller

After redeeming all three vouchers, your account will show 31 individual one-year subscriptions, each valid for one controller. This unified format simplifies subscription management and controller assignment.

** Vouchers must be redeemed in the Schneider Electric Software Shop to create active subscriptions. Redemption does not trigger activation, subscriptions validity period starts when the subscription is created. Vouchers expire 365 days after purchase if not redeemed.

Control and Display Devices



KNX Secure 4" Touch Unit



Version	Art. no.	
glass	MTN6215-0410S	New

The KNX Secure 4" Touch Unit is a room controller designed to be the center of the smart home. Premium materials and a high-quality display with built-in sensors offer a wide range of applications. The device supports KNX Secure.

The slim design of the product fits perfectly into the modern concept of today's smart installations and architecture. The product can be used in both residential and commercial projects. The product has a modern, seamless user interface that provides an immersive experience every time it is used, with the display waking up simply by moving closer thanks to the proximity sensor.

The display has up to 9 screens that can display individual functions as widgets. This allows you to have different combinations of up to 6 widgets on each screen and effectively control all connected systems. You move between screens with a simple swipe, familiar from traditional smartphone use.

User interface functions:

- Different UI theme style
- Screen saver
- Orientation indicator
- Proximity function triggered by object
- Setting the backlight in normal/night mode
- Setting the appearance of the screen

Main functions

- Brightness dimming
- RGB dimming
- RGBW dimming
- Colour temperature dimming
- Venetian blind position and slat
- Air conditioner control
- Room temperature control
- Ventilation control
- Audio control

HVAC controller functions:

- FCU controller: switching on/off (2-point control), switching PWM (PI control), continuous control (PI control)
- Floor heating controller
- Ventilation controller

General: Scene group function, 8 logic function channels (AND; OR, XOR, threshold comparator, format converter) each with 8 inputs

Power supply from KNX: DC 21-30 V approx. 24 V/3 mA

Auxiliary Power supply: DC 21-30 V approx. 24 V/85 mA

KNX: KNX Secure

Screen: 10 cm (3.95") LCD, 480 x 480 pixels

Measuring accuracy: ±1 °C at 25 °C

IP protection rating: IP 20

Dimensions WxHxD: 86 x 86 x 32 mm

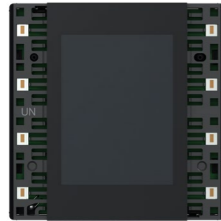
Accessories: Dismantling protection MTN6270-0000

Note: Programmable with ETS5 and higher.

New Products at a Glance

Push-buttons System D

Push-buttons System D



KNX Secure Push Button Dynamic Labeling Universal



Version	Art. no.	
universal	MTN6194-6010S	New

For System D.

The KNX Secure Push Button Dynamic Labeling Universal is a push button for 2 to max 8 rockers on which different functions can be set. This flexible structure allows the number of rockers/functions to be adapted to changing requirements. The device supports KNX Secure.

The functions are configured in the ETS or eConfigure KNX and then shown accordingly on the display. This type of labeling makes it very easy to change a symbol and text.

ETS device functions:

- Display: Icons can be selected to match the function and their color and brightness can be configured. Individual text can be placed. Cleaning mode can be configured.
- Temperature measurement by internal sensor and setpoint change option for HVAC
- Night mode with reduced display brightness
- Orientation indicator: configuration of behaviour, color and brightness
- KNX programming mode can be activated from the back and from the front.
- Proximity function: can be triggered by the sensor or by object, range of proximity ≤12 cm

KNX software functions:

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4-bit or 1-byte telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene, RGB lighting, color temperature control, locking function, logic function (AND, OR, XOR, threshold converter, format converter).

There are 2 programming options for the KNX software functions:

- Express settings: Calls up a pre-set configuration of the functions
- Extended settings: Individual configuration of the functions

The bus is connected using a bus connecting terminal, power supply via the KNX bus.

To be completed with: Rocker 1-gang for KNX Push Button Dynamic Labeling MTN6191-6035, MTN6191-6034, MTN6191-6036, MTN6191-6050, MTN6191-6052

Rocker 2-gang for KNX Push Button Dynamic Labeling MTN6192-6035, MTN6192-6034, MTN6192-6036, MTN6192-6050, MTN6192-6052

Rocker 3-gang for KNX Push Button Dynamic Labeling MTN6193-6035, MTN6193-6034, MTN6193-6036, MTN6193-6050, MTN6193-6052

Rocker 4-gang for KNX Push Button Dynamic Labeling MTN6194-6035, MTN6194-6034, MTN6194-6036, MTN6194-6050, MTN6194-6052

Power supply from KNX: DC 24 V approx. 24 V/16 mA

KNX: KNX Secure

Measuring accuracy: ±1 °C at 25 °C

IP protection rating: IP 20

Dimensions WxHxD: 71 x 71 x 31 mm

Accessories: Dismantling protection MTN6270-0000

Note: Programmable with ETS5, ETS6, and eConfigure KNX.

Contents: Push button, bus connecting terminal and supporting plate.

New Products at a Glance

Unica X

Unica X



Unica X KNX push-button, 2 key



Version	Art. no.	
Metal		
<input type="checkbox"/> Painted White	NUX6161_02_PW	New
<input type="checkbox"/> Jet Black	NUX6161_02_JB	New
<input type="checkbox"/> Dark Bronze	NUX6161_02_DB	New
<input type="checkbox"/> Dark Grey	NUX6161_02_DG	New
<input type="checkbox"/> Stainless Steel	NUX6161_02_SS	New
<input type="checkbox"/> Antique Brass	NUX6161_02_AB	New

Unica X KNX Push-button with 2 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:

- Behavior and brightness of the status indicators
 - Night mode: LEDs light up with reduced brightness
- With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

2 programming options:

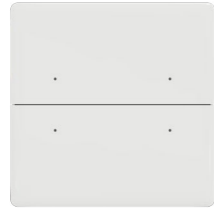
- Express settings: Calls up a pre-set configuration
Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.
- Extended settings: Individual configuration
Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

Note: Programmable with ETS5 and higher.

New Products at a Glance

Unica X



Unica X KNX push-button, 4 key



Version Art. no.

Metal

<input type="checkbox"/>	Painted White	NUX6162_02_PW	New
<input checked="" type="checkbox"/>	Jet Black	NUX6162_02_JB	New
<input checked="" type="checkbox"/>	Dark Bronze	NUX6162_02_DB	New
<input checked="" type="checkbox"/>	Dark Grey	NUX6162_02_DG	New
<input checked="" type="checkbox"/>	Stainless Steel	NUX6162_02_SS	New
<input checked="" type="checkbox"/>	Antique Brass	NUX6162_02_AB	New

Unica X KNX Push-button with 4 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:

- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

2 programming options:

- Express settings: Calls up a pre-set configuration
Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.
- Extended settings: Individual configuration
Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

Note: Programmable with ETS5 and higher.

New Products at a Glance

Unica X



Unica X KNX push-button, 6 key



Version Art. no.

Metal

<input type="checkbox"/>	Painted White	NUX6163_02_PW	New
<input checked="" type="checkbox"/>	Jet Black	NUX6163_02_JB	New
<input checked="" type="checkbox"/>	Dark Bronze	NUX6163_02_DB	New
<input checked="" type="checkbox"/>	Dark Grey	NUX6163_02_DG	New
<input checked="" type="checkbox"/>	Stainless Steel	NUX6163_02_SS	New
<input checked="" type="checkbox"/>	Antique Brass	NUX6163_02_AB	New

Unica X KNX Push-button with 6 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:

- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

2 programming options:

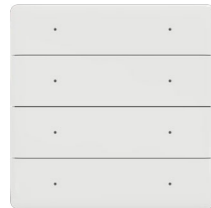
- Express settings: Calls up a pre-set configuration
Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.
- Extended settings: Individual configuration
Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

Note: Programmable with ETS5 and higher.

New Products at a Glance

Unica X



Unica X KNX push-button, 8 key



Version Art. no.

Metal

<input type="checkbox"/>	Painted White	NUX6164_02_PW	New
<input checked="" type="checkbox"/>	Jet Black	NUX6164_02_JB	New
<input checked="" type="checkbox"/>	Dark Bronze	NUX6164_02_DB	New
<input checked="" type="checkbox"/>	Dark Grey	NUX6164_02_DG	New
<input checked="" type="checkbox"/>	Stainless Steel	NUX6164_02_SS	New
<input checked="" type="checkbox"/>	Antique Brass	NUX6164_02_AB	New

Unica X KNX Push-button with 8 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:

- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

2 programming options:

- Express settings: Calls up a pre-set configuration
Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.
- Extended settings: Individual configuration
Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

Note: Programmable with ETS5 and higher.

New Products at a Glance

Unica X



Unica X KNX push-button, 5 key thermostat



Version Art. no.

Metal

<input type="checkbox"/>	Painted White	NUX6212_02_PW	New
<input checked="" type="checkbox"/>	Jet Black	NUX6212_02_JB	New
<input checked="" type="checkbox"/>	Dark Bronze	NUX6212_02_DB	New
<input checked="" type="checkbox"/>	Dark Grey	NUX6212_02_DG	New
<input checked="" type="checkbox"/>	Stainless Steel	NUX6212_02_SS	New
<input checked="" type="checkbox"/>	Antique Brass	NUX6212_02_AB	New

Unica X KNX Push-button with thermostat, display and 5 operating buttons with status indicators. With an integrated temperature sensor for temperature measurement. The thermostat supports Fan Coil Units (FCU), Variable Refrigerant Flow systems (VRF), floor heating systems and ventilation.

The display shows all relevant information for room temperature control e.g. the actual temperature, heating/cooling status, ventilation, ...

Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:

- Display settings: temperature unit, brightness level, standby adjustment
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached
- Temperature sensor: Calibration and sending behavior

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Power on/off of the device, control mode/operation mode (to call with short/long button press), Fan speed, Temperature +/-, Function page, Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

HVAC settings: FCU or VRF controller, floor heating and ventilation.

FCU: Heating and/or cooling mode, room temperature can be taken as reference from the internal sensor, an external sensor or a combination of both. Implementation of a window contact. Setpoint adjustment.

VRF: Heating and/or cooling mode, dehumidification mode, fan mode, auto mode, fan speed adjustment, setpoint.

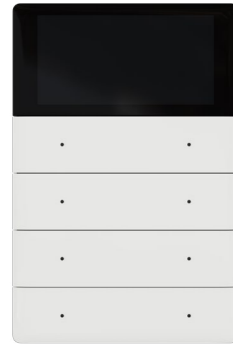
Floor heating: Setpoint, PI control, PWM or switching 2-point feedback control, setpoint adjustment

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function, support of CO2 sensor, monitoring of further sensors.

Note: Programmable with ETS5 and higher.

New Products at a Glance

Unica X



Unica X KNX push-button, 8 key thermostat



Version	Art. no.
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Metal

<input type="checkbox"/>	Painted White	NUX6214_02_PW	New
<input checked="" type="checkbox"/>	Jet Black	NUX6214_02_JB	New
<input type="checkbox"/>	Dark Bronze	NUX6214_02_DB	New
<input type="checkbox"/>	Dark Grey	NUX6214_02_DG	New
<input type="checkbox"/>	Stainless Steel	NUX6214_02_SS	New
<input type="checkbox"/>	Antique Brass	NUX6214_02_AB	New

Unica X KNX Push-button with thermostat, display and 8 operating buttons with status indicators. With an integrated temperature sensor for temperature measurement. The thermostats supports Fan Coil Units (FCU), Variable Refrigerant Flow systems (VRF), floor heating systems and ventilation.

The display shows all relevant information for room temperature control e.g. the actual temperature, heating/cooling status, ventilation, ...

Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:

- Display settings: temperature unit, brightness level, standby adjustment
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached
- Temperature sensor: Calibration and sending behavior

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

2 programming options:

- Express settings: Calls up a pre-set configuration
Power on/off of the device, control mode/operation mode (to call with short/long button press), Fan speed, Temperature +/-, Function page, Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes
- Extended settings: Individual configuration
Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

HVAC settings: FCU or VRF controller, floor heating and ventilation.

FCU: Heating and/or cooling mode, room temperature can be taken as reference from the internal sensor, an external sensor or a combination of both. Implementation of a window contact. Setpoint adjustment.

VRF: Heating and/or cooling mode, dehumidification mode, fan mode, auto mode, fan speed adjustment, setpoint.

Floor heating: Setpoint, PI control, PWM or switching 2-point feedback control, setpoint adjustment

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function, support of CO2 sensor, monitoring of further sensors.

Note: Programmable with ETS5 and higher.

New Products at a Glance

Push-button Interfaces

Push-button Interfaces



SpaceLogic KNX, Secure, Push-Button Interface Basic, 2 channel



Version	Art. no.
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2 channel	MTN6002-0002S New
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This device is KNX Secure certified. Generates an internal signal voltage for connecting potential free contacts like conventional push-buttons, Door/Window contacts, alarm contacts or floating contacts. Each channel is configurable as input or output for control of a low current LED (no series resistance required). The cores are 25 cm long and can be extended to max. 10 m. With integrated bus coupler. For installation in a conventional 60 mm switch box. The bus is connected using a bus connecting terminal.

KNX Secure compatible: The device supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.

KNX software functions: Switching, Priority control, dimming and colour temperature, RGB colour value / sequence (loop), Blind/Shutter, Value transmitter in 14 datatypes, Scene extension, Edge function, (2 objects), Short/Long operation, Temperature setpoint adjustment, Temperature controller operating mode, Channel function output (Object polarity NO/NC), Behaviour after bus recovery, Cyclical sending.

KNX power supply: 4...7 mA

Contact voltage: DC 3.3 V (SELV)

Output current/channel: Max. 3.3 mA

LED current/channel: max. 1.6 mA

Max. cable length: 25 cm unshielded, can be extended up to max. 10 m

Dimensions: approx. 43x28.5x15.6 mm (LxWxH)



SpaceLogic KNX, Secure, Push-Button Interface Basic, 4 channel



Version	Art. no.
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4 channel	MTN6002-0004S New
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This device is KNX Secure certified. Generates an internal signal voltage for connecting potential free contacts like conventional push-buttons, Door/Window contacts, alarm contacts or floating contacts. Each channel is configurable as input or output for control of a low current LED (no series resistance required). The cores are 25 cm long and can be extended to max. 10 m. With integrated bus coupler. For installation in a conventional 60 mm switch box. The bus is connected using a bus connecting terminal.

KNX Secure compatible: The device supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.

KNX software functions: Switching, Priority control, dimming and colour temperature, RGB colour value / sequence (loop), Blind/Shutter, Value transmitter in 14 datatypes, Scene extension, Edge function, (2 objects), Short/Long operation, Temperature setpoint adjustment, Temperature controller operating mode, Channel function output (Object polarity NO/NC), Behaviour after bus recovery, Cyclical sending.

KNX power supply: 4...9 mA

Contact voltage: DC 3.3 V (SELV)

Output current/channel: Max. 3.3 mA

LED current/channel: max. 1.6 mA

Max. cable length: 25 cm unshielded, can be extended up to max. 10 m

Dimensions: approx. 43x28.5x15.6 mm (LxWxH)

New Products at a Glance

Push-button Interfaces



SpaceLogic KNX, Secure, Push-Button Interface Basic, 8 channel



Version	Art. no.
8 channel	MTN6002-0008S New

This device is KNX Secure certified.
Generates an internal signal voltage for connecting potential free contacts like conventional push-buttons, Door/Window contacts, alarm contacts or floating contacts. Each channel is configurable as input or output for control of a low current LED (no series resistance required). The cores are 25 cm long and can be extended to max. 10 m. With integrated bus coupler. For installation in a conventional 60 mm switch box. The bus is connected using a bus connecting terminal.

KNX Secure compatible: The device supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.

KNX software functions: Switching, Priority control, dimming and colour temperature, RGB colour value / sequence (loop), Blind/Shutter, Value transmitter in 14 datatypes, Scene extension, Edge function, (2 objects), Short/Long operation, Temperature setpoint adjustment, Temperature controller operating mode, Channel function output (Object polarity NO/NC), Behaviour after bus recovery, Cyclical sending.

KNX power supply: 4...12 mA
Contact voltage: DC 3.3 V (SELV)
Output current/channel: Max. 3.3 mA
LED current/channel: max. 1.6 mA
Max. cable length: 25 cm unshielded, can be extended up to max. 10 m
Dimensions: approx. 43.5x35.5x15.6 mm (LxWxH)



SpaceLogic KNX, Secure, Push-Button Interface Pro, 8 channel



Version	Art. no.
8 channel	MTN6002-0108S New

This device is KNX Secure certified.
Generates an internal signal voltage for connecting potential free contacts like conventional push-buttons, Door/Window contacts, alarm contacts or floating contacts. Each channel is configurable as input or output for control of a low current LED (no series resistance required). The cores are 25 cm long and can be extended to max. 10 m. With integrated bus coupler. For installation in a conventional 60 mm switch box. The bus is connected using a bus connecting terminal.

KNX Secure compatible: The device supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.

KNX software functions: Switching, Priority control, dimming and colour temperature, RGB colour value / sequence (loop), Blind/Shutter, Value transmitter in 14 datatypes, Scene extension, Edge function, (2 objects), Short/Long operation, Temperature setpoint adjustment, Temperature controller operating mode, Channel function output (Object polarity NO/NC), Behaviour after bus recovery, Cyclical sending, Timer function in logic function, Pulse counter (main and intermediate), Temperature sensor function, Windows/door with 2 contacts (combine 2 channels), simplified configuration for combined channels. Logic module with: AND, OR, XOR (plus inversions), AND with feedback, Converter (1bit -> 1byte), Time delay and filter, Comparator (1, 2, 4 byte DPTs), Limit value switch with hysteresis.

KNX power supply: 5...18 mA
Contact voltage: DC 5 V (SELV)
Output current/channel: Max. 3.2 mA
LED current/channel: max. 2x NTC 33 kΩ at 25 °C
Temperature sensor input: max. 2.2 mA
Max. cable length: 25 cm unshielded, can be extended up to max. 30 m
Dimensions: approx. 43.5x35.5x15.6 mm (LxWxH)
Accessories: Temperature sensor 616790 Merten brand

New Products at a Glance

Energy Meter

Energy Meter



Resi9 Energy Meter Wired, Single Phase, 80A, 6 Channels



Version	Art. no.
80 A, 6 circuits	R9M80X6M New

The energy meter measures current, voltage, energy consumption, etc., for monitoring single-phase electrical installations. It provides bidirectional active energy values, which are stored in the energy meter's non-volatile memory. The energy meter can provide both highly accurate measured values and average values. The current measurements are made via the Resi9 current transformers 80A (R9MCT80).

The energy meter provides highly accurate measurement data or calculated average value of a second time for the true RMS (root mean square) value for the below listed items:

- Voltage (single-phase)
- Current per circuit
- Active power per circuit (single-phase)
- Power factor (single-phase)
- Frequency (single-phase)

To visualize the measured values in KNX, you can connect SpaceLogic KNX spaceLYnk or Wiser for KNX logic controller.

The energy meter communicates with a standard Modbus system via the Modbus interface. It uses Modbus RTU as the communication protocol via RS485; the basic implementation class is used.

- It acts as a Modbus secondary device connected to an edge controller
- Supported baud rate: 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps default: 19200 bps, maximum: 38400 bps
- Half-duplex, four-wire Modbus (D1+, D0-, shield, 0V)
- Line termination is provided externally
- Up to 15 devices can be connected to a single RS-485 bus

Configuration: The energy meter can be configured by Modbus Poll and other standard Modbus systems via the Modbus interface.

For mounting on TH35 DIN rails in accordance with EN 60715

Nominal voltage: AC 100-240 V, 50/60 Hz, or DC 80-265 V
Power loss: < 5 VA @ AC; < 3 W @ DC

Voltage inputs
Measured voltage: AC 230 V, +/- 20 %
Nominal frequency: 50 Hz, +/- 5 Hz

Current inputs
Measured current: 20 mA to 80 A
Nominal frequency: 50 Hz, +/- 5 Hz

DO output: DC 24 V, 50 mA
Pulse output: 400 imp/kWh

Environment
Operating temperature: -25 °C to +60 °C
Storage temperature: -40 °C to +85 °C
Humidity rating: 5% to 95% relative at 50 °C (non-condensing)
Pollution degree: 2
Altitude: ≤ 2000 m (6562 ft)

Terminals:
Digital-Pulse output / RS485 / Current input: 1x 0.2 - 1.5 mm²
Power supply / Voltage input: 1x 0.2 - 2.5 mm²
Operating elements: 4 LEDs (power, alarm, communication, digital output), 1x push button (reset)

Protection type: IP40 front display, IP20 housing
Dimensions (W x L x H): 27 x 70 x 113.6 mm

To be completed with: SET of 6 Resi9 current transformers 80A, R9MCT80.
Scope of delivery: With pluggable screw and plug-in terminals
Compatible with: SpaceLogic KNX spaceLYnk LSS100200, SpaceLogic KNX Wiser for KNX LSS100100

New Products at a Glance

Energy Meter



Resi9 Energy Meter Wired, Universal, 80A/160A/250A, 6 Channels



Version	Art. no.	
80 A, 160 A, 250 A, 6 circuits	R9MUX6M	New

The energy meter measures current, voltage, energy consumption, etc., for monitoring single-phase and three-phase electrical installations. It provides bidirectional active energy values, which are stored in the energy meter's non-volatile memory. The energy meter can provide both highly accurate measured values and average values. The current measurements are made via the Resi9 current transformers 80 A (R9MCT80), 160 A (R9MCT160), and 250 A (R9MCT250).

The energy meter provides highly accurate measurement data or calculated average value of a second time for the true RMS (root mean square) value for the below listed items:

- Voltage (single-phase and three-phase)
- Current per circuit
- Active power (single-phase and three-phase)
- Power factor (single-phase and three-phase)
- Frequency

To visualize the measured values in KNX, you can connect SpaceLogic KNX spaceLYnk or Wiser for KNX logic controller.

The energy meter communicates with a standard Modbus system via the Modbus interface. It uses Modbus RTU as the communication protocol via RS485; the basic implementation class is used.

- It acts as a Modbus secondary device connected to an edge controller
- Supported baud rate: 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps default: 19200 bps, maximum: 38400 bps
- Half-duplex, four-wire Modbus (D1+/, D0/-, shield, 0V)
- Line termination is provided externally
- Up to 15 devices can be connected to a single RS485 bus

Configuration: The energy meter can be configured by Modbus Poll and other standard Modbus systems via the Modbus interface.

For mounting on TH35 DIN rails in accordance with EN60715

Nominal voltage: AC 100-240 V, 50/60 Hz, or DC 80-265 V

Power loss: < 5 VA @ AC; < 3 W @ DC

Voltage inputs

Measured voltage: 3 of AC 230 V / 400 V, +/- 20 %

Nominal frequency: 50 Hz, +/-5 Hz

Current inputs

Measured current: 20 mA to 80 A, 40 mA to 160 A, 40 mA to 250 A

Nominal frequency: 50 Hz, +/-5 Hz

DO output: DC 24 V, 50 mA

Pulse output: 400 imp/kWh

Environment

Operating temperature: -25 °C to +60 °C

Storage temperature: -40 °C to +85 °C

Humidity rating: 5% to 95% relative at 50 °C (non-condensing)

Pollution degree: 2

Altitude: ≤ 2000 m (6562 ft)

Terminals:

Digital-Pulse output / RS485 / Current input: 1x 0.2 - 1.5 mm²

Power supply / Voltage input: 1x 0.2 - 2.5 mm²

Operating elements: 5 LEDs (power, alarm, communication, digital output 1, and digital output 2), 1x push button (reset)

Protection type: IP40 front display, IP20 housing

Dimensions (W x L x H): 36 x 70 x 114.6 mm

To be completed with: SET of 6 Resi9 current transformers 80 A, R9MCT80.

SET of 3 Resi9 current transformers 160 A, R9MCT160 / 250 A, R9MCT250.

Scope of delivery: With pluggable screw and plug-in terminals

Compatible with: SpaceLogic KNX spaceLYnk LSS100200, SpaceLogic KNX Wiser for KNX LSS10010

New Products at a Glance

Energy Meter



SET of 6 Resi9 current transformers 80 A



Version	Art. no.	
80 A	R9MCT80	New

The current transformer 80 A is used for current sensing. One set contains 6 units of 80 A current transformers.

Features:

- Max. 2 CTs per CT channel input can be used without impact on accuracy
- Pre-wired

Diameter phase opening: 10 mm

Dimensions (W x L x H): 27 x 13 x 29.5 mm

Cable length: 1 m (can be reduced or extended to max. 1.5 m without affecting the accuracy)

Suitable cores: The diameter of the phase opening is suitable for the following cross-sections: 8x 1.5 mm² / 6x 2.5 mm² / 4x 4 mm² / 2x 6 mm² / 1x 10 mm² / 1x 16 mm²

To be completed with:

- Resi9 Energy Meter Wired, Single Phase, 80A, 6 Channels, R9M80X6M.
- Resi9 Energy Meter Wired, Universal, 80A/160A/250A, 6 Channels, R9MUX6M.

SET of 3 Resi9 current transformers 160 A



Version	Art. no.	
160 A	R9MCT160	New

The current transformer 160 A is used for current sensing. One set contains 3 units of 160 A current transformers.

Features:

- Max. 2 CTs per CT channel input can be used without impact on accuracy
- Pre-wired

Diameter phase opening: 19 mm

Dimensions (W x L x H): 48 x 29 x 54 mm

Cable length: 1.5 m

Suitable cores: The diameter of the phase opening is suitable for the following cross-sections: 3x 16 mm² / 2x 25 mm² / 1x 35 mm² / 1x 50 mm² / 1x 70 mm²

To be completed with:

- Resi9 Energy Meter Wired, Universal, 80A/160A/250A, 6 Channels, R9MUX6M.

SET of 3 Resi9 current transformers 250 A



Version	Art. no.	
250 A	R9MCT250	New

The current transformer 250 A is used for current sensing. One set contains 3 units of 250 A current transformers.

Features:

- Max. 2 CTs per CT channel input can be used without impact on accuracy
- Pre-wired

Diameter phase opening: 27 mm

Dimensions (W x L x H): 60 x 29 x 66 mm

Cable length: 1.5 m

Suitable cores: The diameter of the phase opening is suitable for the following cross-sections: 3x 35 mm² / 1x 50 mm² / 1x 70 mm² / 1x 95 mm² / 1x 125 mm² / 1x 150 mm² / 1x 185 mm²

To be completed with:

- Resi9 Energy Meter Wired, Universal, 80A/160A/250A, 6 Channels, R9MUX6M.

New Products at a Glance

Switch actuator

Switch actuator



SpaceLogic KNX, Secure, Switch/Blind Master



Version	Art. no.	
white	MTN6705-0008S	New

This device is KNX Secure certified.
For independent control of up to 4 blind/roller shutter drives or for switching up to 8 loads via make contacts. The function of the blind or switching channels is freely configurable. All blind/switch outputs can be operated manually using push-buttons.

The number of channels can be increased by connecting SpaceLogic KNX Switch/Blind Extensions. A maximum of 2 Extensions can be connected to the Master, so up to 24 loads can be switched or 12 blind drives can be controlled. The Master controls the Extensions, their power supply and communication with the bus.

Operating elements: Push-buttons for switching to manual operation, for choosing the device to be operated (Master and Extensions) and for channel control.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX Secure compatible: The actuator supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.

General KNX software functions: Energy saving, device safety, device health, manual operation, PIN code for firmware update.

Blind actuator functions: Running time, idle time, step interval, locking function, movement range limits, weather alarm, 8-bit positioning for height and slats, scenes, status and feedback function.

Switch actuator functions: Operation as break contact/make contact, programmable behaviour for download, delay functions for each channel, staircase lighting function with/without manual OFF function, switch-off prewarning for staircase lighting function, scenes, central function, locking function, logic operation or priority control, switching cycle counter, status feedback function for each channel.

Supply voltage: KNX bus, approx. 6.5 mA (Master), approx. 9 mA (Master + 1 Extension), approx. 12.5 mA (Master + 2 Extensions)

Nominal voltage: AC 250 V, 50-60 Hz

Nominal current: 16 A AC-1, IEC 60947-4-1 / 10 A, IEC 60669-2-5

For each blind output:

Motor load: 1000 VA

For each switch output:

Nominal load

Incandescent lamps: 2300 W

Halogen lamps: 2300 W

LED: 200 W

Capacitive load: 10 AX, max. 140 µF

Inductive load: 10 A, cos φ = 0.6

Relay data - inrush current: max. 800 A/200 µs, max. 165 A/20 ms

Device width: 4 modules = approx. 72 mm

Accessories: SpaceLogic KNX Switch/Blind Extension MTN6805-0008, SpaceLogic KNX Module Link MTN6941-0000, SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002.

Contents: With bus connecting terminal.

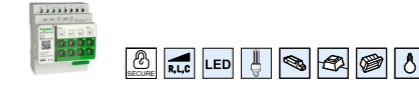
New Products at a Glance

Dimming actuator

Dimming actuator



SpaceLogic KNX, Secure, Dimmer Master



Version	Art. no.	
white	MTN6710-0102S	New

This device is KNX Secure certified.
Dimming actuator with 2 channels for switching and dimming **dimnable LED lamps**, incandescent lamps, HV halogen lamps, LV halogen lamps using dimmable wound transformers or electronic transformers or dimmable compact fluorescent lamps.

(leading and trailing-edge phases)

The Master automatically recognises the connected load. This happens in the background when switching on. Combinations of ohmic and inductive, or ohmic and capacitive loads can also be connected. Combinations of inductive and capacitive loads must not be connected. No flickering of LEDs in switched-off state.

The number of dimming channels can be increased by connecting SpaceLogic KNX Universal Dimming Extensions. By connecting a SpaceLogic KNX Switch/Blind Extension, the Master's channels can be increased with Switch/Blind channels. A maximum of 2 Extensions can be connected to the Master. The Master controls the Extensions, their power supply and communication with the bus.

With screw terminals, short-circuit, open circuit and excess temperature protection with soft start lamp start. Different phases can be connected.

All dimming outputs can be operated manually using push-buttons (On/Off, Dimm UP/Down, LED mode/Automode, One/Two button operation).

Channel status display via LEDs. A green LED indicates readiness for operation.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX Secure compatible: The actuator supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.

General KNX software functions: Energy saving, device safety, device health, manual operation, PIN code for firmware update.

Dimmer actuator functions: Dimming operation by KNX, dimming operation by manual switch, enable/disable manual mode by bus, automatic dimming operating mode or special leading edge phase for RL LED mode, various dimming curves and dimming rates, same dimming time, minimum/maximum dimming value, starting behaviour, 50% brightness when starting ESL/CFL lamp, dimming/value object switches channel, ON/OFF delay, staircase lighting function (with/without manual OFF function, non-/retriggerable, prewarning function), scenes (up to 16 internally stored brightness values can be retrieved), priority control, disable function (behaviour of locking), operating hours, status feedback (switching state, brightness value, fault), behaviour on bus voltage recovery/download

Switch/Blind actuator functions: same as SpaceLogic KNX Switch/Blind Master; only activated when a SpaceLogic KNX Switch/Blind Extension is connected.

Supply voltage: KNX bus, approx. 7.5 mA (Master), approx. 10 mA (Master + 1 Extension), approx. 12.5 mA (Master + 2 Extensions)

Dimmer type: 3-wire, RC mode, RL mode, RL LED mode

Power dissipation: < 6 W

Dimmer Outputs

Channels: 2 (different phases possible)

Nominal voltage: AC 110–240 V, 50/60 Hz

Nominal power:

220-240 V: Incandescent, HV, electronic/wounded transformers: 2x 350 W/VA

220-240 V: LED lamp in RC mode: 2x 200 W, max. 1.3 A

220-240 V: LED lamp in RL mode: 2x 60 W, max. 0.5 A

110-127 V: Incandescent, HV, electronic/wounded transformers: 2x 200 W/VA

110-127 V: LED lamp in RC mode: 2x 135 W, max. 1.5 A

110-127 V: LED lamp in RL mode: 2x 54 W, max. 0.6 A

Device width: 4 modules = approx. 72 mm

Accessories: SpaceLogic KNX Universal Dimming Extension MTN6810-0102, SpaceLogic KNX Switch/Blind Extension MTN6805-0008, SpaceLogic KNX Module Link MTN6941-0000, SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002.

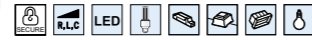
Contents: With bus connecting terminal

New Products at a Glance

Dimming actuator



SpaceLogic KNX, 2 channel 1100 VA universal dimmer



Version	Art. no.	
white	MTN6710-1102	New

The KNX Secure universal dimmer with 2 channels can dim and control loads independently of each channel.

The universal dimmer automatically detects the connected loads for each channel (leading and trailing-edge phases) when switching on. Combinations of inductive and capacitive loads must not be connected. Channel bundling is also permitted via ETS. The channel indicator can simultaneously indicate whether the output load channel is closed or opened. A green LED with flashing behaviour indicates readiness for operation after the application has been loaded.

KNX Secure compatible: The actuator supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software function: different dimming curves and dimming speeds, channel bundling, dimming operation mode setting (automatic or leading edge phase), the same dimming time, memory function, ON/OFF delay, staircase time function with/without manual OFF function, scenes (up to eight stored brightness values can be retrieved), central function, logic operation or priority control, locking function, status feedback, behaviour on bus voltage recovery.

Supply voltage: KNX bus, DC 21–30 V, rated current 4 mA/24 V

Nominal voltage: AC 220-240 V, 50/60 Hz

Channels: 2

Nominal power for each channel:

Incandescent lamp: 150 W for leading edge, 1100 W for trailing edge

Low-voltage halogen lamp with electronic transformer: 150 VA for leading edge, 550 VA for trailing edge

Low-voltage halogen lamp with inductive transformer: 150 VA for leading edge

LED lamp ($\cos\phi \geq 0.6$): 150W for leading edge, 550 W for trailing edge

Nominal power for channel combined:

Incandescent lamp: 300 W for leading edge, 2200 W for trailing edge

Low-voltage halogen lamp with electronic transformer: 300 VA for leading edge, 1100 VA for trailing edge

Low-voltage halogen lamp with inductive transformer: 300 VA for leading edge

LED lamp ($\cos\phi \geq 0.6$): 300 W for leading edge, 1100 W for trailing edge

Minimal nominal power: 30 VA

Device width: 12 modules = approx. 216 mm

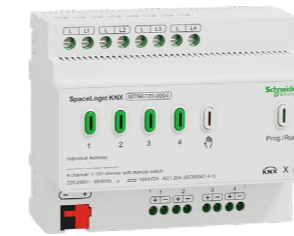
Contents: with bus connecting terminal

Note: programming with ETS5 and higher.

New Products at a Glance

Control Units 1-10 V

Control Units 1-10 V



SpaceLogic KNX, 4 channel 1-10 V dimmer with manual mode



Version	Art. no.	
white	MTN6720-0004	New

For independent switching of 4 loads with 1–10 V interface via make contacts.

The 220-240V switch output can be operated with manual switch. The channel indicator can simultaneously indicate whether the output load channel is closed or opened. A green LED with flashing behaviour indicates readiness for operation after the application has been loaded.

KNX Secure compatible: The actuator supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software function: different dimming curves and dimming speeds, the same dimming time, memory function, ON/OFF delay, staircase time function with/without manual OFF function, scenes (up to eight stored brightness values can be retrieved), central function, logic operation or priority control, locking function, status feedback, behaviour on bus voltage recovery, colour temperature.

Supply voltage: KNX bus, DC 21–30V, rated current 12 mA, max 23 mA/24 V

Nominal voltage: AC 220–240 V, 50/60 Hz

Nominal current: 20 A AC-1, IEC60947-4-1

Channels: 4

For each switching output:

AC1 operation according with IEC60947-4-1: max. 20 A

Nominal load:

Incandescent lamp: 3680 W

Low-voltage halogen lamp with electronic transformer: 3000 VA

Low-voltage halogen lamp with inductive transformer: 2200 VA

Fluorescent lamp: 3680 W

Capacitive load: 16 AX, max.140 μ F

LED lamp: 650 W $\cos\phi \geq 0.6$; 300 W $\cos\phi 0.5 - 0.6$

1-10 V output interface:

Voltage range: DC 1–10 V

Load capacity (passive): max 100 mA (max 50 electronic ballast or LED driver, depending on EB or driver)

Minimal switching current: 100 mA/12 V AC

Relay data – inrush current: max. 480 A/ 2100 μ s

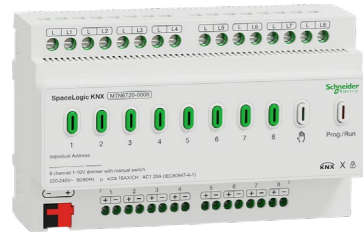
Device width: 6 modules = approx.108 mm

Contents: with bus connecting terminal

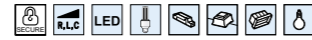
Note: programming with ETS5 and higher.

New Products at a Glance

Control Units 1-10 V



SpaceLogic KNX, 8 channel 1-10 V dimmer with manual mode



Version	Art. no.	
white	MTN6720-0008	New

For independent switching of 8 loads with 1–10 V interface via make contacts.

The 220-240V switch output can be operated with manual switch. The channel indicator can simultaneously indicate whether the output load channel is closed or opened. A green LED with flashing behaviour indicates readiness for operation after the application has been loaded.

KNX Secure compatible: The actuator supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software function: different dimming curves and dimming speeds, the same dimming time, memory function, ON/OFF delay, staircase time function with/without manual OFF function, scenes (up to eight stored brightness values can be retrieved), central function, logic operation or priority control, locking function, status feedback, behaviour on bus voltage recovery, colour temperature.

Supply voltage: KNX bus, DC 21–30V, rated current 12 mA, max 23 mA/24 V

Nominal voltage: AC 220–240 V, 50/60 Hz

Nominal current: 20 A AC-1, IEC60947-4-1

Channels: 8

For each switching output:

AC1 operation according with IEC60947-4-1: max. 20 A

Nominal load:

Incandescent lamp: 3680 W

Low-voltage halogen lamp with electronic transformer: 3000 VA

Low-voltage halogen lamp with inductive transformer: 2200 VA

Fluorescent lamp: 3680 W

Capacitive load: 16 AX, max. 140 µF

LED lamp: 650 W $\cos\phi \geq 0.6$; 300 W $\cos\phi 0.5 - 0.6$

1-10 V output interface:

Voltage range: DC 1–10 V

Load capacity (passive): max 100 mA (max 50 electronic ballast or LED driver, depending on EB or driver)

Minimal switching current: 100 mA/12 V AC

Relay data – inrush current: max. 480 A/ 2100 us

Device width: 8 modules = approx. 144 mm

Contents: with bus connecting terminal

Note: programming with ETS5 and higher.

New Products at a Glance

DALI Gateway

DALI Gateway



SpaceLogic KNX DALI Gateway Broadcast Master 4 channel/32



Version	Art. no.	
white	MTN6725-0005S	New

The SpaceLogic KNX DALI Gateway Broadcast Master is a 4-channel single master application controller for controlling electronic ballasts with DALI interface via the KNX installation bus. Up to 32 ECGs can be connected to each channel. Ballasts are supported both according to IEC 62386-102 ed1 (DALI1) and IEC 62386-102 ed2 (DALI2). The device is sending DALI broadcast commands to the ballasts. Commissioning of the ballasts is not necessary.

Further more this is a Master device where you can connect in the future a maximum of two Extension devices. (DALI: MTN6825-0005 or Switch: MTN6805-0008).

The device converts switching and dimming commands from the connected KNX system into corresponding DALI telegrams, or status and event information from the DALI bus into KNX telegrams.

The power supply required for the connected ECGs comes directly from the device. Additional DALI power supplies are not required

Functions:

- 4 independent DALI channels for broadcast control, electrically isolated into two groups
- Simultaneous control of up to 32 ECGs per channel
- No DALI commissioning or identification of the DALI luminaires required
- Extensive control of the channels via various KNX communication objects
- Colored light control with support for Device Type 8 (DT-8) ballasts:
 - Color temperature (DT-8 Sub-Type Tc)
 - RGB (DT-8 Sub-Type RGBWAF)
 - HSV (DT-8 Sub-Type RGBWAF)
 - RGBW (DT-8 Sub-Type RGBWAF)
- Automatic change of the color temperature depending on the light value (Dimm-To-Cold)
- Broadcast objects for controlling all connected ECGs simultaneously
- Various operating modes for channels such as continuous operation, night operation, staircase timer
- Timer for switch-on and switch-off delays
- Integrated operating hours counter for each channel with alarm when the service life is reached
- Individual fault detection of lamps and ECG faults for each channel with alarm
- Scene module for up to 16 scenes, which can be assigned to KNX scenes 1..64 as required
- "Energy-saving function" allows the ECG power supply to be switched off when the light is switched off via additional switching actuators
- Manual operation via operating buttons on the device
- Signaling of error states and status diagnostics via LEDs on the device

KNX Secure compatible: The actuator supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

Supply voltage: KNX Bus, DC 24 V (SELV)

Power consumption Master: approx. 6.5 mA

Insulation: Protective separation between the KNX bus and the mains voltage. Basic insulation between the 2-DALI power supplies.

KNX: TP1-256, KNX Secure

DALI:

Operating voltage for Dali power supply: 100 to 240 V, 50/60 Hz AC or DC

Maximum power consumption: < 8 W

4 Outputs: D+/D-

Number of ECGs: max. 32 ECGs in accordance with IEC 62386-101 ed1 and ed 2 per channel, 128 ECGs in total

DALI voltage: typically 18 VDC, short-circuitproof max. 250mA, basic insulation (no SELV)

Guaranteed supply current: 64 mA per channel

Maximum supply current: max. 250 mA per channel

Shutdown delay: 600ms after DALI short circuit

Start-up attempt after shutdown: 5s after short-circuit detection

Recommended cable cross-section: min. 1.5 mm²

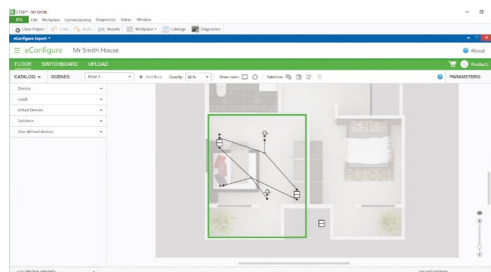
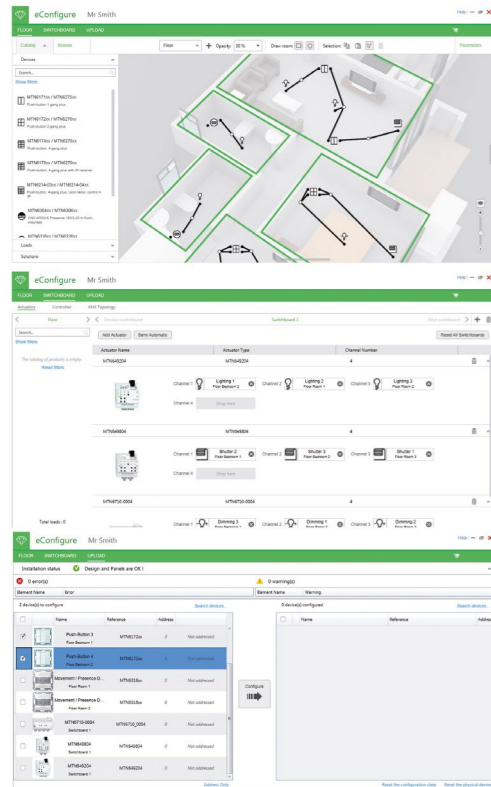
Wire range: Supply 1.5-4 mm², DALI: 1.5-4 mm²

Type of protection: IP 20

Device width: 4 modules = approx. 72 mm

Contents: With bus connecting terminal.

eConfigure



eConfigure KNX Lite



Version	Art. no.
Lite	LSS900100

eConfigure KNX Lite is a graphical tool to seamlessly plan and configure a KNX installation in residential and functional buildings. Time-consuming programming via ETS software is no longer necessary. The user creates his installation graphically directly on the plans of his installation and determines the functions of each KNX sensors (pushbuttons, thermostats, detectors, ...) in a simple, fast and intuitive way. KNX products in switchboards are generated automatically, which allows the user to save time, while being assured of a functional installation.

Can be used:

- As a tool for simple, fast and intuitive configuration and setup for building automation solutions based on KNX
- As a product database that contains the catalogue with all available Schneider KNX devices in the country. It is no longer necessary to download the device files.

Features:

- Fast and convenient planning and commissioning thanks to the graphical user interface.
- Allows access to pre-assembled solutions and enables easy configuration of scenes.
- Up to 250 KNX devices can be integrated in a project.
- Automatic generation and product selection of KNX modular devices for the control cabinet layout.
- Fully automatic creation of visualizations in combination with Wiser for KNX and spaceLYnk possible
- Assistant function checks the configuration for sources of error for smooth commissioning.
- Creation of a room book and material lists for simple project documentation.
- Import of eConfigure KNX lite project files into eConfigure KNX expert (-ETS5) possible.
- Compatible operating systems: Windows 7, SP1, Windows 8, Windows 10
- Minimum computer requirements: see operating instructions / user manual.

Compatible operating system: Windows 7 SP1, Windows 8, Windows 10

Minimum computer requirements: Refer to user manual.

List of compatible KNX products: Refer to user manual

Automatic creation of visualizations for smartphone, tablet and Touch IP 7 in connection with Wiser for KNX (LSS100100) or spaceLYnk (LSS100200) possible.

Note: This software must be installed on a computer using the Windows® operating system.

Scope of delivery: Box with KNX dongle and USB stick with software.

eConfigure KNX Expert



Version	Art. no.
Expert	Available on knx.org shop (ETS App)

'eConfigure KNX Expert' is a graphical ETS App for seamless configuration and set-up of a home & building automation solutions.

The user creates his installation graphically directly on the plans of his installation and determines the functions of each KNX sensors (pushbuttons, thermostats, detectors, ...) in a simple, fast and intuitive way. KNX products in switchboards are generated automatically, which allows the user to save time, while being assured of a functional installation.

A library of solutions can be integrated in the software, allowing the novice or experienced user who wants to optimize his time to quickly create his project. It is also possible for the user to create his own solutions.

An installation report and list of products (bill of materials) can also be edited to allow the user to build a complete and professional file for the rest of his team or for his own clients.

All projects done with the Lite version are compatible with the Expert version.

It is possible to export the complete project in ETS.

Compatible operating system: Windows 7 SP1, Windows 8, Windows 10

Minimum computer requirements: Refer to user manual.

List of compatible KNX products: Refer to user manual

Note: ETS5 with Pro license shall be used.

KNX Remote



SpaceLogic KNX Remote



Version	Art. no.	
Monthly subscription for 1 controller	LSS9002200	New
1-year subscription for 1 controller	LSS9002100	New
1-year subscription for 5 controllers	LSS9002101	New
1-year subscription for 25 controllers	LSS9002102	New
1-year subscription for unlimited controllers	LSS9002103	New
5-year subscription for 1 controller	LSS9002300	New
10-year subscription for 1 controller	LSS9002400	New

SpaceLogic KNX Remote is a subscription-based solution designed for system integrators and electricians. It enables secure remote configuration of KNX projects (through ETS or eConfigure) and access to Wiser for KNX (LSS100100) and spaceLYnk (LSS100200) controllers. The solution reduces the need for on-site interventions and improves response times for maintenance.

Features

- Secure remote access to configure KNX projects and manage Wiser for KNX or spaceLYnk controllers directly within the installation.
- Optional project backup
- Flexible subscription models regarding time (monthly, yearly, 5 or 10 years) and number of controllers *
- Scalability: from single installations to large customer bases
- Controller reassignment is permitted (1 reassignment per month for annual subscriptions and 1 reassignment per year for 5-/10-year subscriptions)
- Email notifications during the various steps of subscription purchase, changing, and renewing subscriptions.

Administration

- Subscriptions are managed via digital vouchers (activation via Schneider Electric Software Shop).**
- Manual renewal required before expiration

Requirements

- ETS users: ETS 5 or 6 + SpaceLogic KNX Remote ETS-App
- eConfigure users: eConfigure Lite, Expert, or Expert Student V3.0 or higher
- Wiser for KNX (LSS100100) or spaceLYnk (LSS100200) controller with firmware 3.0 or higher
- Internet connection for remote access
- Schneider Electric Cloud account
- Valid subscription assigned to each controller
- Authorization from each site owner to access their installation by sharing the controller with your account.

The user guide shows step by step how to use SpaceLogic KNX Remote:
<https://www.productinfo.schneider-electric.com/spacelogicknxremote/>

* Possibility to purchase multiple one-year subscriptions for different controller quantities (1, 5, or 25 controllers) in a single transaction. After redeeming the digital vouchers, all subscriptions are automatically converted into individual one-year licenses for single controllers. Example:








If you need access to 31 controllers, you can buy:

- One subscription for 25 controllers
- One subscription for 5 controllers
- One subscription for 1 controller

After redeeming all three vouchers, your account will show 31 individual one-year subscriptions, each valid for one controller. This unified format simplifies subscription management and controller assignment.

** Vouchers must be redeemed in the Schneider Electric Software Shop to create active subscriptions. Redemption does not trigger activation, subscriptions validity period starts when the subscription is created. Vouchers expire 365 days after purchase if not redeemed.

Bus Power Supplies Overview

	SpaceLogic KNX power supply REG-K				SpaceLogic KNX power supply REG-K with emergency power input		
							
Article number	MTN684032	MTN684064	MTN6513-1203	MTN6513-1202	MTN6513-1201	MTN683832	MTN683890
Output current	320 mA	640 mA	320 mA	640 mA	1280 mA	320 mA	640 mA
Maximum number of bus devices	64	64	256		256	64	64
Input voltage, 50-60 Hz	AC 110-230 V		AC 220-240 V		AC 220-240 V	AC 110-230 V	
Output voltage	KNX: DC 28-31 V		KNX: DC 28-31 V Additional output: 30 V DC		KNX: DC 28-31 V Additional output: 30 V DC	KNX: DC 28-31 V	
Device width (1 module = 18 mm)	4 modules		4 modules		6 modules	4 modules	
Connections and displays							
LED display for maximum current	■		■		■		■
Reset switch	■		■		■		■
Signalling contact	—		■		■		—
Increase the rated current in the bus line	—		max. 2 identical devices can be connected in parallel		—		—
Connection for SpaceLogic KNX REG emergency power supply art. no. MTN683901	—		—		—		■

System Components

Bus Power Supplies

Bus Power Supplies



SpaceLogic KNX Power Supply 320 mA



Version	Art. no.
	MTN6513-1203

The SpaceLogic KNX power supply generates the bus voltage for the KNX line. The power supply has two outputs – one KNX output with integrated choke and one DC 30 V output for additional devices. Two identical power supply units can be connected in parallel to double the output current. The power supply has a floating signalling contact for operation and diagnostic messages.

Features:
Nominal current can be distributed as desired. Reset button to disconnect the power and reset the bus devices. Short-circuit proof. Surge-proof. Open-circuit proof. For operation in installations with emergency power supply. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

Nominal voltage: 220-240 V AC,
Mains frequency: 50/60 Hz
Power dissipation: max. 1.8 W
KNX Medium: TP256
Bus output voltage: 28-31 V DC SELV
Bus output current: 320 mA (all outputs)
DC 30 V output voltage: 30 V DC
Signal output: 12-230 V AC, 2-30 V DC
Switching current: 5 mA ... 2 A
Buffer time: ca. 200 ms at 230 V A
Device width: 4 TE = approx. 72 mm
Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX Power Supply 640 mA



Version	Art. no.
	MTN6513-1202

The SpaceLogic KNX power supply generates the bus voltage for the KNX line. The power supply has two outputs – one KNX output with integrated choke and one DC 30 V output for additional devices. Two identical power supply units can be connected in parallel to double the output current. The power supply has a floating signalling contact for operation and diagnostic messages.

Features:
Nominal current can be distributed as desired. Reset button to disconnect the power and reset the bus devices. Short-circuit proof. Surge-proof. Open-circuit proof. For operation in installations with emergency power supply. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

Nominal voltage: 220-240 V AC,
Mains frequency: 50/60 Hz
Power dissipation: max. 2.9 W
KNX Medium: TP256
Bus output voltage: 28-31 V DC SELV
Bus output current: 640 mA (all outputs)
DC 30 V output voltage: 30 V DC
Signal output: 12-230 V AC, 2-30 V DC
Switching current: 5 mA ... 2 A
Buffer time: ca. 200 ms at 230 V
Device width: 4 TE = approx. 72 mm
Contents: With bus connecting terminal and cable cover.

System Components

Bus Power Supplies



SpaceLogic KNX Power Supply 1280 mA



Version	Art. no.
	MTN6513-1201

The SpaceLogic KNX power supply generates the bus voltage for the KNX line. The power supply has two outputs – one KNX output with integrated choke and one DC 30 V output for additional devices.

The power supply has a floating signalling contact for operation and diagnostic messages.

Features:

Nominal current can be distributed as desired. Reset button to disconnect the power and reset the bus devices. Short-circuit proof. Surge-proof. Open-circuit proof. For operation in installations with emergency power supply.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

Nominal voltage: 220-240 V AC,

Mains frequency: 50/60 Hz

Power dissipation: max. 6.4 W

KNX Medium: TP256

Bus output voltage: 28-31 V DC SELV

Bus output current: 1280 mA (all outputs)

DC 30 V output voltage: 30 V DC

Signal output: 12-230 V AC, 2-30 V DC

Switching current: 5 mA ... 2 A

Buffer time: ca. 200 ms at 230 V

Device width: 6 TE = approx. 108 mm

Contents: With bus connecting terminal and cable cover.



SpaceLogic KNX power supply REG-K/320 mA



Version	Art. no.
light grey	MTN684032

For generating the bus voltage for a line with up to 64 bus devices.

With integrated choke to decouple the power supply from the bus and a push-button to disconnect the power and reset the bus devices connected to the line.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

Nominal voltage: AC 110-230 V ±10%

Operating voltage: min. AC 92 V - max. AC 253 V

Mains frequency: 50-60 Hz ±10%

Output voltage: DC 30 V

Output current: max. 320 mA, short-circuit-proof

Device width: 4 TE = approx. 72 mm

Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX power supply REG-K/640 mA with emergency power input



Version	Art. no.
light grey	MTN683832

For generating the bus voltage for a line with up to 64 bus devices. The emergency power supply REG can be connected in order to buffer the bus voltage.

With integrated choke to decouple the power supply from the bus and a push-button to disconnect the power and reset the bus devices connected to the line.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

Nominal voltage: AC 110-230 V ±10%

Operating voltage: min. AC 92 V - max. AC 253 V

Mains frequency: 50-60 Hz ±10%

Output voltage: DC 30 V

Output current: max. 320 mA, short-circuit-proof

Device width: 4 TE = approx. 72 mm

Accessories: SpaceLogic KNX REG emergency power supply MTN683901

Contents: With bus connecting terminal and cable cover.

System Components

Bus Power Supplies



SpaceLogic KNX power supply REG-K/640 mA



Version	Art. no.
light grey	MTN684064

For generating the bus voltage for a line with up to 64 bus devices.

With integrated choke to decouple the power supply from the bus and a push-button to disconnect the power and reset the bus devices connected to the line.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

Nominal voltage: AC 110-230 V ±10%

Operating voltage: min. AC 92 V - max. AC 253 V

Mains frequency: 50-60 Hz ±10%

Output voltage: DC 30 V

Output current: max. 640 mA, short-circuit-proof

Device width: 4 TE = approx. 72 mm

Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX power supply REG-K/640 mA with emergency power input



Version	Art. no.
light grey	MTN683890

For generating the bus voltage for a line with up to 64 bus devices. The emergency power supply REG can be connected in order to buffer the bus voltage.

With integrated choke to decouple the power supply from the bus and a push-button to disconnect the power and reset the bus devices connected to the line.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

Nominal voltage: AC 110-230 V ±10%

Operating voltage: min. AC 92 V - max. AC 253 V

Mains frequency: 50-60 Hz ±10%

Output voltage: DC 30 V

Output current: max. 640 mA, short-circuit-proof

Device width: 4 TE = approx. 72 mm

Accessories: SpaceLogic KNX REG emergency power supply MTN683901

Contents: With bus connecting terminal and cable cover.

System Components

Bus Power Supplies



SpaceLogic KNX REG emergency power supply



Version	Art. no.
light grey	MTN683901

To buffer the bus voltage. If a complete mains failure occurs, an external lead gel battery with a voltage of DC 12 V (SELV) can be connected to the REG power supply for buffering. The lead gel battery is recharged or maintained in its charged state by integrated charging electronics.

A binary input can be connected in order to register the operational statuses (mains voltage, error warning, battery operation).

For installation on DIN rails TH35 according to EN 60715.

Nominal voltage: AC 110-230 V $\pm 10\%$

Operating voltage: min. AC 92 V - max. AC 253 V

Mains frequency: 50-60 Hz $\pm 10\%$

Output to power supply:

Output voltage: DC 30 V ± 2 V

Output current: without battery with mains supply max. 300 mA, with battery without mains supply max. 640 mA

Buffer time with lead gel battery 7,2 Ah:

683890: approx. 0.5 h

683832: approx. 1 h

683816: approx. 2 h

Buffer time with lead gel battery 18 Ah:

683890: approx. 1.25 h

683832: approx. 2.5 h

683816: approx. 5 h

Short-circuit current: < 1.5 A

Charging current: max. 1 A

Connections: plug-in screw terminal for main connector, operating state (4-pin, 3 floating contacts) and emergency power supply. Plug-in terminal for battery connection (two 1 mm pins)

Device width: 4 modules = approx. 72 mm

In KNX, to be completed with: KNX power supply REG-K/160 mA with emergency power input MTN683816

SpaceLogic KNX power supply REG-K/320 mA with emergency power input MTN683832

SpaceLogic KNX power supply REG-K/640 mA with emergency power input MTN683890

Accessories: Lead gel battery MTN668990

MTN668991

Binary input REG-K/4x24 MTN644892

SpaceLogic KNX Power supply REG, DC 24 V/0,4 A MTN693003

Contents: With connecting terminal and cable cover

Lead gel battery



Version	Art. no.
7.2 Ah	MTN668990

Lead gel battery to connect to the emergency input of the power supply 320 REG-K with battery connection.

Nominal voltage: DC 12 V

Capacity: 7.2 Ah

In KNX, to be completed with: SpaceLogic KNX REG emergency power supply MTN683901

Lead gel battery



Version	Art. no.
18 Ah	MTN668991

Lead gel battery for connecting to the emergency power supply REG.

Nominal voltage: DC 12 V

Capacity: 18 Ah

In KNX, to be completed with: SpaceLogic KNX REG emergency power supply MTN683901



System Components

System Coupler

System Coupler



SpaceLogic KNX Coupler DIN Rail



Version	Art. no.
	MTN6500-0101

For logical connection and electrical isolation of lines and areas. The device supports KNX Secure. This option can be activated in the ETS. As a secure line coupler, the device enables the forwarding of both secured and unsecured communication. In addition, access to the device itself (e.g. for a download) is protected by KNX Secure. The device has a filter table (8k bytes) and ensures a galvanic separation between the lines. The coupler supports KNX longframes and is compatible with the ETS 5 software. With 2 integrated push-buttons for testing purpose and 3 status LEDs.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using bus connecting terminals.

KNX software functions: The device can be used as a area / line coupler or as a repeater for forming line segments in existing or new KNX systems. The function as a coupler or repeater can be parameterised.

Functions as coupler:

Use as a area or line coupler depending on the physical address. Reduction of the bus load through the filter function (filter table). Support of the full address area (Group 0-31) with filter function. Forwarding of individual addressed telegrams (sub line => main line, main line => sub line) can be parameterised. Forwarding of group telegrams (sub line => main line, main line => sub line) can be parameterised. Telegram repetitions in the event of transmission errors can be set separately for group telegrams, broadcast telegrams and physically addressed telegrams. Telegram confirmation for group telegrams and physically addressed telegrams can be parameterised separately.

Functions as repeater:

Expansion of a line into segments. Telegram repetitions in the event of transmission errors can be set separately for group telegrams, broadcast telegrams and physically addressed telegrams.

Device width: 1 modules = approx. 18 mm

Note: This application requires ETS 5 or higher.

Contents: With 2 bus connecting terminals and 2 cable covers.



SpaceLogic KNX IP Router DIN Rail



Version	Art. no.
	MTN6500-0103

The SpaceLogic KNX IP Router allows forwarding of telegrams between different lines through a LAN (IP) as a fast backbone. In addition this KNX IP Router is suited to connect a PC to the KNX network e.g. for ETS programming.

The KNX IP Router supports KNX Secure which can be enabled in ETS. As secure router the device allows coupling of not secured communication on KNX TP to a secured IP backbone.

For the interface functionality (tunneling) KNX security prevents from unauthorized access. The router supports up to 8 tunneling channels. For each tunneling channel a separate individual address must be configured. The IP address can be obtained by a DHCP server or by manual configuration (ETS) respectively. This KNX IP Router works according to the KNXnet/IP specification using the core, the device management, the tunneling and the routing part.

The SpaceLogic KNX IP Router has an extended filter table for main group 0..31 and is able to buffer up to 150 telegrams. The Router is powered by the KNX bus. An additional power supply is not needed. With 2 integrated push-buttons for testing purpose and 3 status LEDs.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal. The LAN network is connected via RJ45 socket.

Device width: 1 module = approx. 18 mm

Note: This application requires ETS 5 or higher.

Contents: With bus connecting terminal and cable cover.



SpaceLogic KNX IP Interface DIN Rail



Version	Art. no.
	MTN6502-0105

The SpaceLogic KNX IP Interface is an interface between IP and KNX. You can access the KNX Bus from every point of your LAN. The SpaceLogic KNX IP Interface can be used as programming interface for ETS 5 Software and allows to access the KNX bus over the Internet via VPN.

The device supports KNX Secure which can be enabled in ETS. With its interface functionality (tunneling) KNX security prevents from unauthorized access. The device supports up to 8 tunneling channels. For each tunneling channel a separate individual address must be configured. With 2 integrated push-buttons to select the tunneling channel and 3 status LEDs.

The Interface is powered by the KNX bus. An additional power supply is not needed. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal. The LAN network is connected via RJ45 socket.

Device width: 1 module = approx. 18 mm

Note: This application requires ETS 5 or higher.

Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX USB Interface DIN Rail



Version	Art. no.
	MTN6502-0101

For connecting a programming or diagnostics device with a USB 2.0 interface to the KNX. The USB connector (Type C) is galvanic isolated from the KNX bus. It can be used as a programming interface for ETS Software Version 4 (or higher).

The device is programmed locally with the physical address and does not have a programming button and programming LED. With 2 status LEDs.

The KNX USB interface supports KNX "longframe" communication and is compatible with KNX security telegrams / devices. This allows faster KNX downloads if supported by the target device (e.g. MTN6725-0001).

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

Device width: 1 module = approx. 18 mm

Contents: With bus connecting terminal and cable cover.



System Accessories



Bus connecting terminal		Branch terminal, yellow/white	
			
Version	Art. no.	Version	Art. no.
red/dark grey	MTN689701	yellow/white	MTN689702
For connecting max. 4 core pairs to an KNX device, can also be used as a branch terminal. Consists of two interlocked terminal parts in red ("+") and dark grey ("−"), each with 4 plug-in terminals. For solid conductors with a diameter of 0.6 to 0.8 mm. Contents: 1 PU = 50 terminals.		Branch terminal comprising two interlocking terminal parts in yellow and white, each with 4 plug-in terminals. For solid conductors with a diameter of 0.6 to 0.8 mm. For wiring the yellow/white cores of the bus cable. Contents: 1 PU = 50 terminals.	



Version	Art. no.	Version	Art. no.
red/dark grey	MTN689701	yellow/white	MTN689702

For connecting max. 4 core pairs to an KNX device, can also be used as a branch terminal.
 Consists of two interlocked terminal parts in red ("+") and dark grey ("−"), each with 4 plug-in terminals. For solid conductors with a diameter of 0.6 to 0.8 mm.
Contents: 1 PU = 50 terminals.



Version	Art. no.
yellow/white	MTN689702

Branch terminal comprising two interlocking terminal parts in yellow and white, each with 4 plug-in terminals. For solid conductors with a diameter of 0.6 to 0.8 mm.
 For wiring the yellow/white cores of the bus cable.
Contents: 1 PU = 50 terminals.

IR universal remote control



Version	Art. no.
black/white	MTN5761-0000 Discontinued

10 channel IR remote control. For the control of all TELE sensor covers, blind push-buttons with IR receiver, presence detectors with IR receivers and KNX devices with IR receivers.

Battery: 2 microcells (IEC LR 0.3 AAA) (not included)

Range: up to 12 m

Receiver: TELE sensor cover System M MTN5779.., MTN5703..

Blind push-button with IR receiver and sensor connection System M MTN5880.., MTN5864..

ARGUS Presence Master with IR, relay 1-gang MTN5510-1119

ARGUS Presence Master with IR, relay 2-gang MTN5510-1219

ARGUS Presence Master with IR, 1-10 V MTN5510-1419

ARGUS Presence Master with IR, DALI MTN5510-1519

KNX ARGUS Presence with light control and IR receiver MTN6309..

Push-button, 4-gang plus with IR receiver System M MTN6279.., MTN6175..

Unica MGU5.532.18, MGU5.532.25

Unica Top MGU5.532.12, MGU5.532.30

Push-button 4-gang plus with room temperature control unit System M MTN6214-03.. /-04..

Contents: Without battery.

Logic Module



SpaceLogic KNX Logic module Basic REG-K



Version	Art. no.
light grey	MTN676090

In KNX installations, the logic module serves as a logic and control device. It has 10 logic, 10 filter/timer, 8 converter and 12 multiplexer modules.

With 3 freely programmable push-buttons and 3 status LEDs. They can be assigned control and test functions and can be operated on the device.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software functions:

10 logic modules (AND, OR, XOR)

- Each with up to 8 binary input objects and an output object.
- Input and output object inversion.
- Output disable via gate function.
- Behaviour of each input object after bus reset.
- Adjustable sending behaviour.

10 filter and timer modules

- Binary input objects and an output object with time delays.
- Binary input object filtering before output.
- Output disable via gate function.
- Behaviour of each input object after bus reset.
- Adjustable sending behaviour.

8 converter modules

- Conversion of 1 bit switching telegrams into 2 bit priority control.
- Conversion of 1 bit switching telegrams into 8 bit value telegrams.
- Conversion of 8 bit value telegrams into 1 bit switching telegrams.
- Output disable via gate function.
- Behaviour of each input object after bus reset.
- Adjustable sending behaviour.

12 multiplexer modules (lighting control)

Multiplexer modules are used to selectively control telegrams, e.g. to toggle between single room and total room control for conference rooms with partition walls.

- Supported telegram formats by module: 1 bit, 2 bit, 4 bit, 8 bit, 2 byte.
- A module can be used for the 4 byte format.
- Telegram forwarding/blocking in one or both directions using the control object.
- Adjustable gate behaviour.
- Adjustable control object behaviour.
- Output disable via gate function.
- Adjustable sending behaviour.
- Adjustable sending delay.

Push-button and LED assignment

- The three push-buttons and the three LEDs can be freely assigned with binary objects.
- Behaviour per LED.
- Behaviour per push-button.

Behaviour after bus reset

- Adjustable module start-up delay after bus voltage recovery.

Device width: 2.5 module = approx. 45 mm

Energy Measurement



SpaceLogic KNX Energy Meter, REG-K/3x230 V/16 A



Version	Art. no.
light grey	MTN6600-0603

Device for measuring and monitoring energy consumption at up to three channels. Different phases can be connected to the channels. The data is transmitted to the KNX bus for analysis and visualisation.

There is a resettable energy counter and a total energy counter for each channel. The device saves the values in the event of a power failure. If one of up to 8 threshold values is exceeded, telegrams for energy-saving and alarm functions can be sent to different loads via the bus.

The energy meter can receive energy values measured externally (e.g. from other energy meters or switch actuators with current detection) via the KNX bus and summate them. With screw terminals.

Suitable for installation on DIN rails TH35 according to EN 60715.

KNX software functions: Functions per channel:

Adjustable energy unit (Wh/kWh). Energy meter (resettable). Total energy meter. Adjustable transmission of power and current values.

Energy-saving function: telegrams for saving energy (switch object, value object, dimming object, scene object and temperature object) are sent when one of up to 8 threshold values is exceeded. 8 separately adjustable threshold values with tolerance (selectable via object).

Adjustable tolerances and delays.

Alarm function: alarms are sent when current values fall above or below threshold values.

Adjustable tolerances and delays.

Functions for all channels:

Consumption values with time stamp. Time can be received via an external KNX timer.

Adjustable nominal voltage (210-240 V). 4 energy counters to count separately depending on tariff. Summation of energy values from several channels and external energy values. Status responses regarding bus voltage failure, exceedance of power, total power and tariff meters.

Energy measurement:

Number of channels: 3

Nominal voltage: AC 220/230 V, 50/60 Hz

Max. current per channel: 16 A

Min. current per channel: 20 mA (power factor 1)

Detection accuracy:

Power and current measurement (calculated): max. 10 %

Capacity of total power meter: > 2 million kWh

Temperature range: -5°C to + 45°C

Type of protection: IP 20

Device width: 4 modules = approx. 72 mm

Energy Meter



Resi9 Energy Meter Wired, Single Phase, 80A, 6 Channels



Version	Art. no.	
80 A, 6 circuits	R9M80X6M	New

The energy meter measures current, voltage, energy consumption, etc., for monitoring single-phase electrical installations. It provides bidirectional active energy values, which are stored in the energy meter's non-volatile memory. The energy meter can provide both highly accurate measured values and average values. The current measurements are made via the Resi9 current transformers 80A (R9MCT80).

The energy meter provides highly accurate measurement data or calculated average value of a second time for the true RMS (root mean square) value for the below listed items:

- Voltage (single-phase)
- Current per circuit
- Active power per circuit (single-phase)
- Power factor (single-phase)
- Frequency (single-phase)

To visualize the measured values in KNX, you can connect SpaceLogic KNX spaceLYnk or Wisier for KNX logic controller.

The energy meter communicates with a standard Modbus system via the Modbus interface. It uses Modbus RTU as the communication protocol via RS485; the basic implementation class is used.

- It acts as a Modbus secondary device connected to an edge controller
- Supported baud rate: 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
default: 19200 bps, maximum: 38400 bps
- Half-duplex, four-wire Modbus (D1/+, D0/-, shield, 0V)
- Line termination is provided externally
- Up to 15 devices can be connected to a single RS-485 bus

Configuration: The energy meter can be configured by Modbus Poll and other standard Modbus systems via the Modbus interface.

For mounting on TH35 DIN rails in accordance with EN 60715

Nominal voltage: AC 100-240 V, 50/60 Hz, or DC 80-265 V
Power loss: < 5 VA @ AC; < 3 W @ DC

Voltage Inputs

Measured voltage: AC 230 V, +/- 20 %
Nominal frequency: 50 Hz, +/-5 Hz

Current inputs

Measured current: 20 mA to 80 A
Nominal frequency: 50 Hz, +/-5 Hz

DO output: DC 24 V, 50 mA
Pulse output: 400 imp/kWh

Environment

Operating temperature: -25 °C to +60 °C
Storage temperature: -40 °C to +85 °C
Humidity rating: 5% to 95% relative at 50 °C (non-condensing)
Pollution degree: 2
Altitude: ≤ 2000 m (6562 ft)

Terminals:

Digital-Pulse output / RS485 / Current input: 1x 0.2 - 1.5 mm²
Power supply / Voltage input: 1x 0.2 - 2.5 mm²
Operating elements: 4 LEDs (power, alarm, communication, digital output), 1x push button (reset)

Protection type: IP40 front display, IP20 housing
Dimensions (W x L x H): 27 x 70 x 113.6 mm

To be completed with: SET of 6 Resi9 current transformers 80A, R9MCT80.
Scope of delivery: With pluggable screw and plug-in terminals
Compatible with: SpaceLogic KNX spaceLYnk LSS100200, SpaceLogic KNX Wisier for KNX LSS100100



Resi9 Energy Meter Wired, Universal, 80A/160A/250A, 6 Channels



Version	Art. no.	
80 A, 160 A, 250 A, 6 circuits	R9MUX6M	New

The energy meter measures current, voltage, energy consumption, etc., for monitoring single-phase and three-phase electrical installations. It provides bidirectional active energy values, which are stored in the energy meter's non-volatile memory. The energy meter can provide both highly accurate measured values and average values. The current measurements are made via the Resi9 current transformers 80 A (R9MCT80), 160 A (R9MCT160), and 250 A (R9MCT250).

The energy meter provides highly accurate measurement data or calculated average value of a second time for the true RMS (root mean square) value for the below listed items:

- Voltage (single-phase and three-phase)
- Current per circuit
- Active power (single-phase and three-phase)
- Power factor (single-phase and three-phase)
- Frequency

To visualize the measured values in KNX, you can connect SpaceLogic KNX spaceLYnk or Wisier for KNX logic controller.

The energy meter communicates with a standard Modbus system via the Modbus interface. It uses Modbus RTU as the communication protocol via RS485; the basic implementation class is used.

- It acts as a Modbus secondary device connected to an edge controller
- Supported baud rate: 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
default: 19200 bps, maximum: 38400 bps
- Half-duplex, four-wire Modbus (D1/+, D0/-, shield, 0V)
- Line termination is provided externally
- Up to 15 devices can be connected to a single RS485 bus

Configuration: The energy meter can be configured by Modbus Poll and other standard Modbus systems via the Modbus interface.

For mounting on TH35 DIN rails in accordance with EN60715

Nominal voltage: AC 100-240 V, 50/60 Hz, or DC 80-265 V
Power loss: < 5 VA @ AC; < 3 W @ DC

Voltage Inputs

Measured voltage: 3 of AC 230 V / 400 V, +/- 20 %
Nominal frequency: 50 Hz, +/-5 Hz

Current inputs

Measured current: 20 mA to 80 A, 40 mA to 160 A, 40 mA to 250 A
Nominal frequency: 50 Hz, +/-5 Hz

DO output: DC 24 V, 50 mA
Pulse output: 400 imp/kWh

Environment

Operating temperature: -25 °C to +60 °C
Storage temperature: -40 °C to +85 °C
Humidity rating: 5% to 95% relative at 50 °C (non-condensing)
Pollution degree: 2
Altitude: ≤ 2000 m (6562 ft)

Terminals:

Digital-Pulse output / RS485 / Current input: 1x 0.2 - 1.5 mm²
Power supply / Voltage input: 1x 0.2 - 2.5 mm²
Operating elements: 5 LEDs (power, alarm, communication, digital output 1, and digital output 2), 1x push button (reset)

Protection type: IP40 front display, IP20 housing
Dimensions (W x L x H): 36 x 70 x 114.6 mm

To be completed with: SET of 6 Resi9 current transformers 80 A, R9MCT80.
SET of 3 Resi9 current transformers 160 A, R9MCT160 / 250 A, R9MCT250.
Scope of delivery: With pluggable screw and plug-in terminals
Compatible with: SpaceLogic KNX spaceLYnk LSS100200, SpaceLogic KNX Wisier for KNX LSS100100



SET of 6 Resi9 current transformers 80 A



Version	Art. no.	
80 A	R9MCT80	New

The current transformer 80 A is used for current sensing. One set contains 6 units of 80 A current transformers.

Features:

- Max. 2 CTs per CT channel input can be used without impact on accuracy
- Pre-wired

Diameter phase opening: 10 mm

Dimensions (W x L x H): 27 x 13 x 29.5 mm

Cable length: 1 m (can be reduced or extended to max. 1.5 m without affecting the accuracy)

Suitable cores: The diameter of the phase opening is suitable for the following cross-sections: 8x 1.5 mm² / 6x 2.5 mm² / 4x 4 mm² / 2x 6 mm² / 1x 10 mm² / 1x 16 mm²

To be completed with:

- Resi9 Energy Meter Wired, Single Phase, 80A, 6 Channels, R9M80X6M.
- Resi9 Energy Meter Wired, Universal, 80A/160A/250A, 6 Channels, R9MUX6M.

SET of 3 Resi9 current transformers 160 A



Version	Art. no.	
160 A	R9MCT160	New

The current transformer 160 A is used for current sensing. One set contains 3 units of 160 A current transformers.

Features:

- Max. 2 CTs per CT channel input can be used without impact on accuracy
- Pre-wired

Diameter phase opening: 19 mm

Dimensions (W x L x H): 48 x 29 x 54 mm

Cable length: 1.5 m

Suitable cores: The diameter of the phase opening is suitable for the following cross-sections: 3x 16 mm² / 2x 25 mm² / 1x 35 mm² / 1x 50 mm² / 1x 70 mm²

To be completed with:

- Resi9 Energy Meter Wired, Universal, 80A/160A/250A, 6 Channels, R9MUX6M.

SET of 3 Resi9 current transformers 250 A



Version	Art. no.	
250 A	R9MCT250	New

The current transformer 250 A is used for current sensing. One set contains 3 units of 250 A current transformers.

Features:

- Max. 2 CTs per CT channel input can be used without impact on accuracy
- Pre-wired

Diameter phase opening: 27 mm

Dimensions (W x L x H): 60 x 29 x 66 mm

Cable length: 1.5 m

Suitable cores: The diameter of the phase opening is suitable for the following cross-sections: 3x 35 mm² / 1x 50 mm² / 1x 70 mm² / 1x 95 mm² / 1x 125 mm² / 1x 150 mm² / 1x 185 mm²

To be completed with:

- Resi9 Energy Meter Wired, Universal, 80A/160A/250A, 6 Channels, R9MUX6M.

Data Interfaces



SpaceLogic KNX IP Interface DIN Rail



Version	Art. no.
	MTN6502-0105

The SpaceLogic KNX IP Interface is an interface between IP and KNX. You can access the KNX Bus from every point of your LAN. The SpaceLogic KNX IP Interface can be used as programming interface for ETS 5 Software and allows to access the KNX bus over the Internet via VPN.

The device supports KNX Secure which can be enabled in ETS. With its interface functionality (tunneling) KNX security prevents from unauthorized access. The device supports up to 8 tunneling channels. For each tunneling channel a separate individual address must be configured. With 2 integrated push-buttons to select the tunneling channel and 3 status LEDs.

The interface is powered by the KNX bus. An additional power supply is not needed.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal. The LAN network is connected via RJ45 socket.

Device width: 1 module = approx. 18 mm

Note: This application requires ETS 5 or higher.

Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX USB Interface DIN Rail



Version	Art. no.
	MTN6502-0101

For connecting a programming or diagnostics device with a USB 2.0 interface to the KNX. The USB connector (Type C) is galvanic isolated from the KNX bus. It can be used as a programming interface for ETS Software Version 4 (or higher).

The device is programmed locally with the physical address and does not have a programming button and programming LED. With 2 status LEDs.

The KNX USB interface supports KNX "longframe" communication and is compatible with KNX security telegrams / devices. This allows faster KNX downloads if supported by the target device (e.g. MTN6725-0001).

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

Device width: 1 module = approx. 18 mm

Contents: With bus connecting terminal and cable cover.

Central plate with square opening



Version	Art. no.	
<input type="checkbox"/> polar white, glossy	MTN296019	Discontinued

For System M. for loudspeaker connection inserts or flush-mounted USB interface.

To be completed with: Telephone socket-outlet TAE, 1-gang MTN465206, Telephone socket-outlet TAE, 3-gang MTN465226/36, Combination socket-outlet RJ45/TAE (Cat 3) MTN465707, Loudspeaker connection insert, 1-gang MTN466919/14, Loudspeaker connection insert, 2-gang MTN467019/14, USB power supply MTN4366-0000

Controller/Gateways

Wiser for KNX

Wiser for KNX

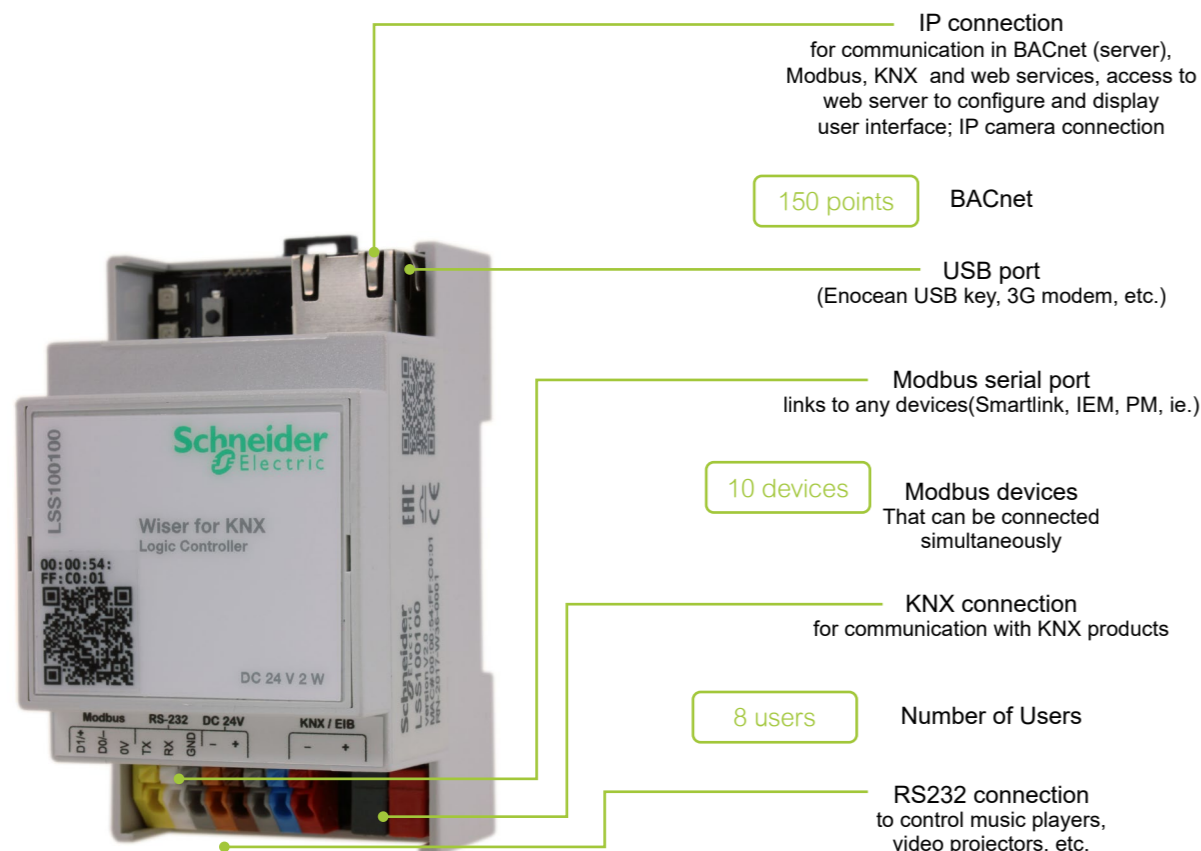
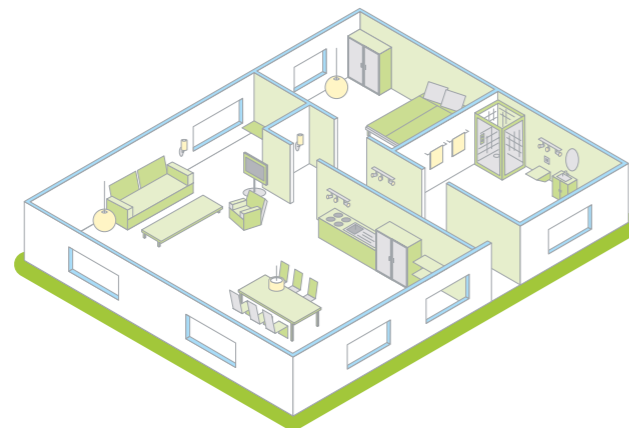
KNX home automation

Wiser for KNX is the perfect choice for houses, collective homes and flats. With 150 BACnet points it is perfectly suitable for an integration in a large building management system of the complete residential building.

Wiser for KNX connects KNX systems and Modbus meters, which conveniently allows control of building functions like lights, shutters and heating and enables energy monitoring with record data on a daily, monthly and yearly basis. Wiser for KNX enables to create advanced logic functions in order to opti-mize energy efficiency and comfort at home.



Wiser for KNX is perfectly set for residential buildings



Controller/Gateways

Wiser for KNX

Wiser for KNX



Version

Art. no.

LSS100100

Wiser for KNX is the perfect choice for single or multi-family houses or residential complexes and integrates a wide range of control functions to improve comfort, security and flexibility for the residents and owners. The system is future proof, interoperable, and scalable. With its integrated visualization, the installation's energy consumption can be displayed and monitored through PC's and mobile devices. The stored data can also be exported for further analysis (e.g. as .CSV).

Features:

- Freely programmable logic controller with integrated web server
- Configurable visualization alternatives: Custom Visualization or Touch (through Widgets) for PC and mobile devices
- Marketplace with applications to download and extend the controller's functionality
- Sonos and Revox sound systems integration
- Somfy and Danfoss Integration
- Philips Hue support
- IFTTT support
- Multi-protocol gateway between KNX (TP / IP) and Modbus RTU / TCP + BACnet IP
- HTTP / HTTPS / NTP / FTP servers
- Integration of IP cameras
- Data logger with trend display and export function
- Modbus (10 devices)
- Integrated USB port (additional memory, EnOcean & GSM dongles)
- Freely programmable scheduler
- IP router
- Scenes module
- E-mail and SMS
- Easy visualization configuration through eConfigure
- KNX IP and Data Secure

Supply voltage: 24 V DC (not included)

Power consumption: 2 W

Display elements:

- LED indicator 1: Green LED (CPU load)
- LED indicator 2: Green LED (Operation) or Red LED (Reset)

Controls: 1x reset button

Interface: 1x KNX TP1, 1x RJ45 Ethernet 10/100 Mbit/s, 1x RS-485 (incl. Polarization resistor 47 kΩ, no termination), 1x RS-232, 1x USB 2.0

Terminals:

- KNX bus: Bus terminal 2 x 0.8 mm
- Power supply: 0.5 mm²-1.5 mm²
- Serial interfaces: 0.5 mm²-1.5 mm²
- Operation: -5°C to +45°C

Dimension: 90 x 52 x 58 mm (HxWxD)

Device width: 3 modules = approx. 54 mm

To be completed with: SpaceLogic KNX Power Supply 24VDC - 0,4A (MTN693003).



Solutions are tested and validated according to Schneider Electric process

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Controller/Gateways

spaceLYnk

spaceLYnk

Building automation

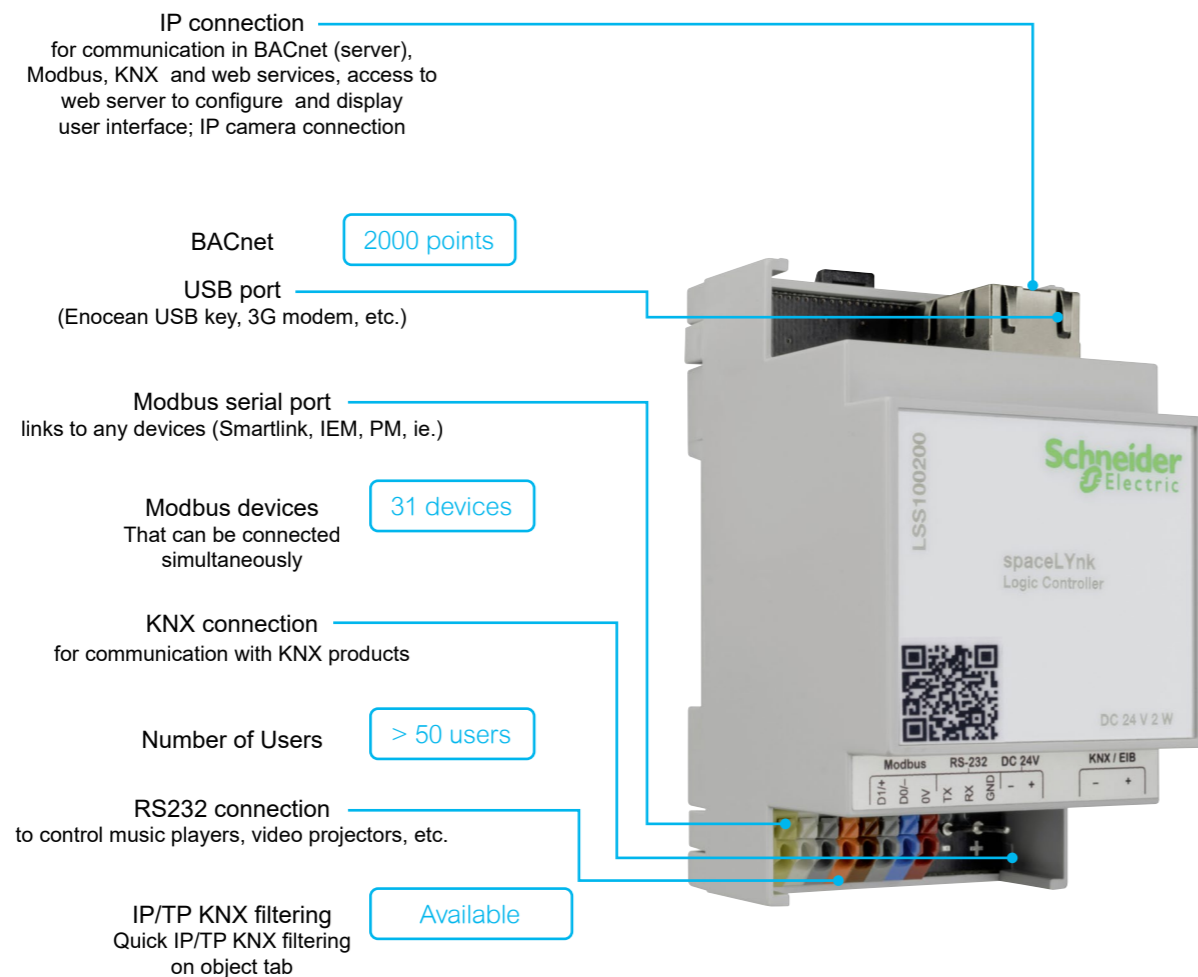
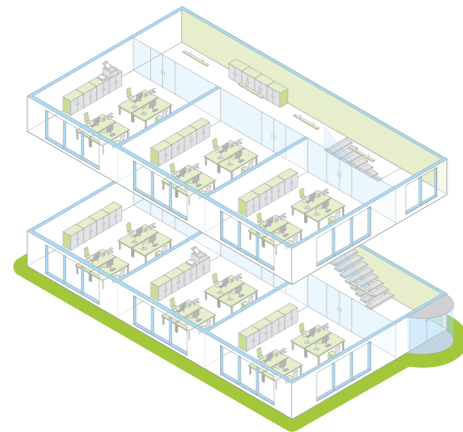
In buildings spaceLYnk provides the ideal solution. Thanks to 2000 BACnet points spaceLYnk can easily be integrated into complete building management systems.

spaceLYnk allows efficient facility management thanks to the convenient web-based user interface

with maintenance information like lamp statuses and easy scheduling of all building functions. The webbased interface is accessible from everywhere, enabling remote maintenance.



spaceLYnk is perfectly set for commercial buildings



Controller/Gateways

spaceLYnk



spaceLYnk



Version

Art. no.

LSS100200

spaceLYnk is the ideal solution for commercial buildings. Thanks to its 2,000 BACnet data points and 31 Modbus devices, spaceLYnk can be effortlessly integrated into complete energy and building management systems.

SpaceLYnk can be used:

- As a KNX logic controller for the creation of complex building automation solutions
- As a building automation solution for small and medium-sized buildings with complete control including LRC (lighting and room control (KNX)) and measurement technology (Modbus devices, Smartlink RTU and IP)
- As a Cross-sector communication for large buildings with complete control via SBO EcoS-truXure™ (BMS from Schneider Electric).
- As a gateway for communication between different products and protocols.
- As a data storage device, for analyzing and exporting the data (e.g. as .csv).
- As a user interface for the display and control of relevant information on PCs and mobile devices.

Features:

- Freely programmable logic controller with integrated web server
- WEB SCADA visualization for PC and mobile devices
- Marketplace with applications to download and extend the controller's functionality
- IFTT support
- Multi-protocol gateway between KNX (TP / IP) and Modbus RTU / TCP + BACnet IP
- HTTP / HTTPS / NTP / FTP servers
- BACnet server (2000 data points)
- Modbus (31 devices)
- Login visualization (>50 users)
- User management tool to define user access and visibility
- Predefined Modbus templates
- BACnet certified "BACnet Application Specific Controller (B-ASC)"
- Integration of IP cameras
- Simple function block programming
- Integrated USB port (additional memory, EnOcean & GSM dongles)
- Freely programmable scheduler
- IP router
- Scenes module
- E-mail and SMS
- Easy visualization configuration through eConfigure
- KNX IP and Data Secure

Supply voltage: 24 V DC (not included)

Power consumption: 2 W

Display elements:

- **LED indicator 1:** Green LED (CPU load)
- **LED indicator 2:** Green LED (Operation) or Red LED (Reset)

Controls: 1x reset button

Interfaces: 1x KNX TP1, 1x RJ45 Ethernet 10/100 Mbit/s, 1x RS-485 (incl. Polarization resistor 47 kΩ, no termination), 1x RS-232, 1x USB 2.0

Terminals:

- **KNX bus:** Bus terminal 2 x 0.8 mm
 - **Power supply:** 0.5 mm²-1.5 mm²
 - **Serial interfaces:** 0.5 mm²-1.5 mm²
- Operation:** -5°C to +45°C
Dimension: 90 x 52 x 58 mm (HxWxD)
Device width: 3 modules = approx. 54 mm



Solutions are tested and validated according to Schneider Electric process

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Controller/Gateways

BMS IP Gateway

BMS IP Gateway



SpaceLogic KNX BMS IP Gateway



Version	Art. no.
grey	LSS100300

The SpaceLogic KNX BMS IP Gateway is a bidirectional multifunctional device that allows integration of Spacelogic KNX installations within Ecostruxure Building Operation. The main communication interface is KNX TP with BAC protocol.

The device combines three functions in one device:

- KNX IP router (max. 500 objects)
- KNX IP interface
- DPSU choke power supply

The Gateway is designed for commercial installations and certified by BTL as Application Specific Controller (B-ASC) which ensures 100% compatibility, and at the same time, guarantees a seamless integration with any BACnet device.

Features:

- Number of BACnet objects: 4,000
- Number of BACnet subscriptions (COV) requests: 4,000
- KNX group objects: 4,000
- KNX IP routing objects: 500
- KNX IP Secure compatibility
- KNXP IP tunneling, commissioning of KNX devices, long frame support
- HTTP / HTTPS / NTP servers
- Direct import of *knxproj file with automatic filtering tables

Power supply voltage: DC 12 V - 30 V SELV

Power consumption: 2 W

Power Supply DPSU choke: DC 21 V - 31 V SELV

DPSU choke: rated current max. 320 mA, chort circuit proof, tripping current ≤1A

Display elements:

- LED indicator 1: Green LED (CPU load)
- LED indicator 2: Green LED (Operation) or Red LED (Reset)

Controls: 1x reset button, 2 jumpers (PoE and POW)

Interfaces: 1x RJ45 Ethernet 10/100 Mbit/s

Terminals:

- **KNX bus:** Bus terminal 2 x 0.8 mm
- **Power supply/Power supply DPSU choke:** 2-gang/3gang pluggable screw terminal for max. 2x 0.5 mm²-1.5 mm²

Protection type: IP20

Ambient temperature operation: 0°C to +45°C

Device width: 4 modules = approx. 72 mm

BACnet Protocol Revision: 22

BACnet Device Profile: B-ASC, B-GW

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Controller/Gateways

Hybrid Module

Hybrid Module



SpaceLogic KNX Hybrid Module



Version	Art. no.
white	LSS100400

The Hybrid Module integrates ZigBee® wireless devices from Wiser™ offer to an installation that is realized with the controller Wiser for KNX (LSS100100) or spacelynk (LSS100200). The user is then able to control Wiser™ devices from their KNX installation and control KNX devices from their Wiser™ devices. The Hybrid Module and its configuration plugin is designed for residential and commercial installations.

The Hybrid Module is powered by separate 24 V power supply and connected to the controller via RS232 communication interface. Once the ZigBee devices are paired with the controller, they are mapped in KNX objects and can be used like any other KNX device. Moreover when Wiser for KNX is used, the wireless devices can be controlled via the Wiser KNX app (Wiser KNX App, available in specific countries).

Because the list of Wiser devices is constantly growing, please visit <https://www.go2se.com/ref=LSS100400> in order to refer manual for latest supported device list. The supported devices may vary depending on the country.

Features:

- Hybrid Plugin is available on Marketplace always up to date
- Easy integration and configuration of ZigBee wireless devices
- Automatic upgrade of the firmware of the Hybrid Module and connected ZigBee wireless devices so the installation is always well maintained and up to date

Supply voltage: DC 24 V

Display elements: LED bicolor (Red/Orange)

Interfaces: Antenna, RS232 communication (TX, RX, GND) and DC 24 V power supply(-/+)

Ambient temperature operation: 0°C to +45°C

Device width: 1 modules = approx. 18 mm

Antenna

Transmitting frequency: 2405 MHz ... 2480 MHz

Transmitting power: max. +10 dBm (10 mW)

Cable length: 3 m

Scope of delivery: SpaceLogic KNX Hybrid Module, Antenna

DALI Gateways



SpaceLogic KNX DALI Gateway Broadcast Master 4 channel/32



Version Art. no.

white MTN6725-0005S **New**

The SpaceLogic KNX DALI Gateway Broadcast Master is a 4-channel single master application controller for controlling electronic ballasts with DALI interface via the KNX installation bus. Up to 32 ECGs can be connected to each channel. Ballasts are supported both according to IEC 62386-102 ed1 (DALI1) and IEC 62386-102 ed2 (DALI2). The device is sending DALI broadcast commands to the ballasts. Commissioning of the ballasts is not necessary.

Further more this is a Master device where you can connect in the future a maximum of two Extension devices. (DALI: MTN6825-0005 or Switch: MTN6805-0008).

The device converts switching and dimming commands from the connected KNX system into corresponding DALI telegrams, or status and event information from the DALI bus into KNX telegrams.

The power supply required for the connected ECGs comes directly from the device. Additional DALI power supplies are not required

Functions:

- 4 independent DALI channels for broadcast control, electrically isolated into two groups
- Simultaneous control of up to 32 ECGs per channel
- No DALI commissioning or identification of the DALI luminaires required
- Extensive control of the channels via various KNX communication objects
- Colored light control with support for Device Type 8 (DT-8) ballasts:
 - Color temperature (DT-8 Sub-Type Tc)
 - RGB (DT-8 Sub-Type RGBWAF)
 - HSV (DT-8 Sub-Type RGBWAF)
 - RGBW (DT-8 Sub-Type RGBWAF)
- Automatic change of the color temperature depending on the light value (Dimm-To-Cold)
- Broadcast objects for controlling all connected ECGs simultaneously
- Various operating modes for channels such as continuous operation, night operation, staircase timer
- Timer for switch-on and switch-off delays
- Integrated operating hours counter for each channel with alarm when the service life is reached
- Individual fault detection of lamps and ECG faults for each channel with alarm
- Scene module for up to 16 scenes, which can be assigned to KNX scenes 1..64 as required
- "Energy-saving function" allows the ECG mains power to be switched off when the light is switched off via additional switching actuators
- Manual operation via operating buttons on the device
- Signaling of error states and status diagnostics via LEDs on the device

KNX Secure compatible: The actuator supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

Supply voltage: KNX Bus, DC 24 V (SELV)

Power consumption Master: approx. 6.5 mA

Insulation: Protective separation between the KNX bus and the mains voltage. Basic insulation between the 2-DALI power supplies.

KNX: TP1-256, KNX Secure

DALI:

Operating voltage for Dali power supply: 100 to 240 V, 50/60 Hz AC or DC

Maximum power consumption: < 8 W

4 Outputs: D+/D-

Number of ECGs: max. 32 ECGs in accordance with IEC 62386-101 ed1 and ed 2 per channel, 128 ECGs in total

DALI voltage: typically 18 VDC, short-circuitproof max. 250mA, basic insulation (no SELV)

Guaranteed supply current: 64 mA per channel

Maximum supply current: max. 250 mA per channel

Shutdown delay: 600ms after DALI short circuit

Start-up attempt after shutdown: 5s after short-circuit detection

Recommended cable cross-section: min. 1.5 mm²

Wire range: Supply 1.5-4 mm², DALI: 1.5-4 mm²

Type of protection: IP 20

Device width: 4 modules = approx. 72 mm

Contents: With bus connecting terminal.



SpaceLogic KNX DALI Gateway Pro



Version Art. no.

MTN6725-0101

The SpaceLogic KNX DALI Gateway Pro controls electronic ballasts with DALI interface via the KNX installation bus. The gateway is DALI 2.0 multi-master certified.

The gateway supports KNX longframe communication and is compatible with KNX Secure telegram/devices and can be enable in the ETS 5 software. In addition, access to the device itself (e.g. for a download) is protected by KNX Secure

It supports ballasts according to EN 62386-102 ed1 (DALI1), devices according to EN 62386-102 ed2 (DALI2), as well as DALI2 motion sensors and light sensors according to EN 62386-303 and EN 62386-304.

The gateway has a DALI2 output which can control up to 64 ECGs. In addition, up to 8 DALI2 motion detectors or light sensors can be connected. Multi-master operation according to EN 62386-103 ed2 is permitted. The required power supply for the connected ECGs and motion sensors is provided directly from the device. Additional DALI power supplies are not required.

Per gateway the ECGs can be controlled in 16 groups. In addition to the group control the gateway also allows individual control of up to 64 ECGs.

In addition the gateway allows the operation of single battery emergency lights (EN 62386-202). Emergency lighting systems with central battery are also supported.

DALI commissioning and configuration, as well as group assignment and scene setting, can be carried out using:

- the device (display and operating buttons which can be optionally disabled),
- the DCA software,
- the integrated Web server

Functions:

- Two separate user profiles with their own password for IP-webserver
- Effect module with 16 effects and a total of up to 500 commands
- Configuring: scenes, effects, service, maintenance, burn-in, operating hours
- Fast Firmware upgrade possible via IP port/Operating: device, ECGs, groups and broadcast
- Colour control via KNX for broadcast and groups
- Displays: Status and error messages
- DT8-Colour control on the DALI side, up to 16 colour templates with up to 300 commands basing on a weekly timer
- DALI-scenes with brightness and colour values
- Scene number 1-64 can be flexible distributed over several devices
- Tunable white control to improve the environment for human beings. Colour control i.e. product presentation, advertising
- Possibility to lock the IP-port
- Possibility to access as User or Admin the web server
- Possibility to enable MQTT client support for Lighting Control via IP Interface
- Flexible post installation and a DCA with im- and export for DALI configuration
- Possibility to save ECG StandBy energy of DALI groups if switched OFF

KNX software functions: Switching, dimming and value object per group or ECG, constant light control function. Staircase timer function, status objects, delays between status feedbacks. Detailed error messages per EB and group. Test of DALI ECGs for emergency lighting with central battery or built-in battery with selectable test intervals with old or new format. Parallel broadcast triggering of all ECGs, switch-on/switch-off and colour control. Dimming speeds for relative dimming and dimming values. Dimming value max./min. Various modes (normal, permanent, night, panic). Operating hours counter and automatic burn-in per ECG.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

Supply voltage: AC/DC 100-240 V, 50-60 Hz

Outputs: DALI D+, D-, typical DC 18 V, short-circuit proof, max 250 mA, basic insulation (no SELV)

Type: Multi-Master Application Controller

Supply current: max. 250 mA, guaranteed 160 mA

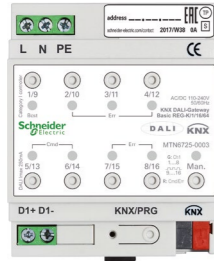
Interfaces: KNX, RJ-45 Ethernet 100BaseT, DALI

Wire range: Supply 0.5-4 mm², DALI: 0.4-4 mm²

Type of protection: IP 20

Device width: 4 modules = approx. 72 mm

Contents: With bus connecting terminal.



SpaceLogic KNX DALI Gateway Basic REG-K/1/16/64



Version

Art. no.

MTN6725-0003

The KNX DALI Gateway connects the KNX bus to 1 DALI output. The gateway is a category I DALI control device with an integrated DALI power supply for the ECGs. The device is a Single-Master Application Controller according to EN 62386 ed/1 and ed/2. Starting with firmware version 0.2.6 the gateway is certified according to EN 62386-101/-103 ed2 and is DALI-2.0 single master certified.

It is able to control DALI ECGs ed/1 and ed/2 -also mixed- but according to single-master controller it cannot support DALI-2 sensors like movement- and presence detectors, switches etc. It supports the switching and dimming of up to 64 ECGs in 16 groups and the control of more than 16 scenes.

Different colour commands (e.g. white tone control, RGB, XY and HSV) can be interpreted by KNX push-buttons, for example, and DALI DT8 lights can be activated accordingly.

The operating hours meter logs the operating hours for the groups. Error messages from individual ECGs and groups can be transmitted via the KNX and visualised.

A colour control module allows up to 16 time switch functions for brightness and colour on a weekly basis, provided that the device is connected to a time update system. The up to 16 time programmes with up to 300 commands per DALI output can be enabled or disabled using KNX objects. DALI commissioning and configuration, group allocation and scene set-up can be carried out using the ETS application and an ETS app (DCA).

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software functions: Switching, dimming, value and colour objects per group, plus switching, value and colour objects for broadcast control. Staircase timer function with dimmed lights, also for advance warning and normal, continuous, night and panic modes. Differentiated error analysis per EB and group. Scenes with brightness and colour. Energy saving thanks to reduction in EB standby losses due to additional KNX switching actuator. The colour control module can be used to control brightnesses and colours based on a weekly time switch.

(Requirement: weekday and time synchronisation) Any time interval possible, up to 90 s.

The up to 16 time programmes can be controlled using KNX objects. Operating hours can be recorded and reset by group, and transmitted by group as an alarm if a threshold value is exceeded. The firmware can be updated using an FAT32-formatted Micro-SD card.

Supply voltage: AC/DC 100-240 V, 50-60 Hz

Outputs: 1x DALI D+, D-, typically 16 V DC, short-circuit proof max. 250 mA, basic insulation (no SELV)

Output current: max. 250 mA, min. 128 mA

Interfaces: KNX, DALI

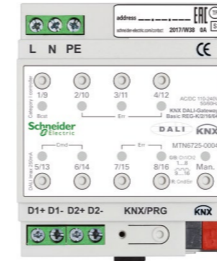
Type: Single Master application controller. From firmware version 0.2.6 the gateway is certified according to EN 62386-101/-103 ed2 -> DALI-2 compatible

Wire range: Mains supply or DALI: 1 - 2.5 mm²

IP protection rating: IP20

Housing width: 4 HP = approx. 69 mm

Contents: With bus connecting terminal.



SpaceLogic KNX DALI Gateway Basic REG-K/2/16/64



Version

Art. no.

MTN6725-0004

The KNX DALI Gateway connects the KNX bus to 2 DALI outputs. The gateway is a category I DALI control device with an integrated DALI power supply for the ECGs. The device is a Single-Master Controller according to EN 62386 ed/1 and ed/2. Starting with firmware version 0.2.6 the gateway is certified according to EN 62386-101/-103 ed2 and is DALI-2.0 single master certified.

It is able to control DALI ECGs ed/1 and ed/2 -also mixed- but according to single-master controller it cannot support DALI-2 sensors like movement- and presence detectors, switches etc. For each DALI output, it supports the switching and dimming of up to 64 ECGs in 16 groups and the control of more than 16 scenes.

Different colour commands (e.g. white tone control, RGB, XY and HSV) can be interpreted by KNX push-buttons, for example, and DALI DT8 lights can be activated accordingly.

The operating hours meter logs the operating hours for the groups. Error messages from individual ECGs and groups can be transmitted via the KNX and visualised.

A colour control module allows up to 16 time switch functions for brightness and colour on a weekly basis, provided that the device is connected to a time update system. The up to 16 time programmes with up to 300 commands per DALI output can be enabled or disabled using KNX objects. DALI commissioning and configuration, group allocation and scene set-up can be carried out using the ETS application and an ETS app (DCA).

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software functions: Switching, dimming, value and colour objects per group, plus switching, value and colour objects for broadcast control. Staircase timer function with dimmed lights, also for advance warning and normal, continuous, night and panic modes. Differentiated error analysis per EB and group. Scenes with brightness and colour. Energy saving thanks to reduction in EB standby losses due to additional KNX switching actuator. The colour control module can be used to control brightnesses and colours based on a weekly time switch.

(Requirement: weekday and time synchronisation) Any time interval possible, up to 90 s.

The up to 16 time programmes can be controlled using KNX objects. Operating hours can be recorded and reset by group, and transmitted by group as an alarm if a threshold value is exceeded. The firmware can be updated using an FAT32-formatted Micro-SD card.

Supply voltage: AC/DC 100-240 V, 50/60 Hz

Outputs: 2x DALI D+, D-, typically 16 V DC, short-circuit proof max. 250 mA, basic insulation (no SELV)

Output current: max. 250 mA, min. 128 mA

Interfaces: KNX, DALI

Type: Single Master application controller. From firmware version 0.2.6 the gateway is certified according to EN 62386-101/-103 ed2 -> DALI-2 compatible

Wire range: Mains supply or DALI: 1.5 - 2.5 mm²

IP protection rating: IP20

Housing width: 4 HP = approx. 69 mm

Control and Display Devices

Design-Independent

Design-Independent



SpaceLogic KNX Touch IP 7



Version	Art. no.	
white	MTN6260-7770	Discontinued
black	MTN6260-7760	Discontinued

The SpaceLogic KNX Touch IP 7 inch is a touch screen used to display the visualization from Wiser for KNX or spaceLYnk logic controllers. It can be installed in both Residential and Commercial buildings and in new or existing KNX installations.

The touch panel can display the widget-based Touch visualization or the PC/Tablet visualization with the possibility of realistic graphics. It can also display the new Wiser KNX App, in case the user would like to control their KNX installation in a similar way as from his Smartphone.

All interaction with the touch panel is very easy and efficient, adapted to the needs of the modern concept of smart homes and buildings. The installation can be done horizontally or vertically allowing landscape or portrait mode.

The touch panel is equipped with an embedded application, making the configuration easy and fast. Thanks to WiFi connectivity the installation of touch panel is easier and provides a freedom in choosing of installation location.

An over the air update (OTAU) feature available in the touch panel keeps the solution always up to date and secure. The Touch Panel can be installed surface mounted, anywhere where there would be a 24 V cables to power it.

TouchPanel

Screen diagonal: 17.47 cm (7")
Resolution: 1024 x 600
Type: Colorful TFT LCD & multi-touch capacitive screen

Horizontal orientation

Vertical top / bottom viewing angle: 30° / 70°
Horizontal right / left viewing angle: 70° / 70°

Vertical orientation

Vertical top / bottom viewing angle: 70° / 70°
Horizontal right / left viewing angle: 30° / 70°

Power

2-wire power supply: DC 24 V
Current consumption in standby state (mA): 90 mA
Current consumption in activestate (mA): 240 mA

Wi-Fi®

Frequency band: IEEE 802.11 a/b/g/n/ac 2.4/5 GHz (2400-2483.5 MHz, 5150-5250 MHz)

Environmental conditions

Operating temperature: -10 °C to +55 °C
Operating Humidity: 0% to 95% RH no condensing
Storage temperature: -25 °C to +70 °C
Storage humidity: 0 % to 95 % RH no condensing
IP rating: IP30

Dimensions and weight

Dimensions (W x H x D): 132.76 x 196.65 x 23.91 mm
Weight: 448 g / 814 g (with package)

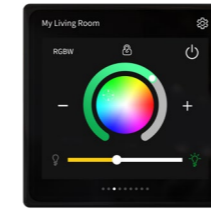
Location

When choosing the installation location, the maximum cable length must be observed. The following shows the lengths from the touch panel to the respective assemblies in the system.

- YR 2x0.8 mm, J-Y(ST)Y 2x2x0.8 mm, A-2Y(L)2Y 2x2x0.8 mm: cable must not be longer than 120 m.
- A-2Y(L)2Y 2x2x0.6 mm, J-Y(ST)Y 2x2x0.6 mm: cable must not be longer than 80 m.

Control and Display Devices

Design-Independent



KNX Secure 4" Touch Unit



Version	Art. no.	
glass	MTN6215-0410S	New

The KNX Secure 4" Touch Unit is a room controller designed to be the center of the smart home. Premium materials and a high-quality display with built-in sensors offer a wide range of applications. The device supports KNX Secure.

The slim design of the product fits perfectly into the modern concept of today's smart installations and architecture. The product can be used in both residential and commercial projects. The product has a modern, seamless user interface that provides an immersive experience every time it is used, with the display waking up simply by moving closer thanks to the proximity sensor.

The display has up to 9 screens that can display individual functions as widgets. This allows you to have different combinations of up to 6 widgets on each screen and effectively control all connected systems. You move between screens with a simple swipe, familiar from traditional smartphone use.

User interface functions:

- Different UI theme style
- Screen saver
- Orientation indicator
- Proximity function triggered by object
- Setting the backlight in normal/night mode
- Setting the appearance of the screen

Main functions

- Brightness dimming
- RGB dimming
- RGBW dimming
- Colour temperature dimming
- Venetian blind position and slat
- Air conditioner control
- Room temperature control
- Ventilation control
- Audio control

HVAC controller functions:

- FCU controller: switching on/off (2-point control), switching PWM (PI control), continuous control (PI control)
- Floor heating controller
- Ventilation controller

General: Scene group function, 8 logic function channels (AND; OR, XOR, threshold comparator, format converter) each with 8 inputs

Power supply from KNX: DC 21-30 V approx. 24 V/3 mA

Auxiliary Power supply: DC 21-30 V approx. 24 V/85 mA

KNX: KNX Secure

Screen: 10 cm (3.95") LCD, 480 x 480 pixels

Measuring accuracy: ±1 °C at 25 °C

IP protection rating: IP 20

Dimensions WxHxD: 86 x 86 x 32 mm

Accessories: Dismantling protection MTN6270-0000

Note: Programmable with ETS5 and higher.



SpaceLogic KNX 4" Touch Unit



Version	Art. no.
glass	MTN6215-0410

The 4" Touch unit is a room controller designed to be the center of the smart home. Premium materials and a high-quality display with built-in sensors offer a wide range of applications.

The slim design of the product fits perfectly into the modern concept of today's smart installations and architecture. The product can be used in both residential and commercial projects. The product has a modern, seamless user interface that provides an immersive experience every time it is used, with the display waking up simply by moving closer thanks to the proximity sensor.

The display has up to 9 screens that can display individual functions as widgets. This allows you to have different combinations of up to 6 widgets on each screen and effectively control all connected systems. You move between screens with a simple swipe, familiar from traditional smartphone use.

User Interface functions:

- Different UI theme style
- Screen saver
- Orientation indicator
- Proximity function triggered by object
- Setting the backlight in normal/night mode
- Setting the appearance of the screen

Main functions

- Brightness dimming
- RGB dimming
- RGBW dimming
- Colour temperature dimming
- Venetian blind position and slat
- Air conditioner control
- Room temperature control
- Ventilation control
- Audio control

HVAC controller functions:

- FCU controller: switching on/off (2-point control), switching PWM (PI control), continuous control (PI control)
- Floor heating controller
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General: Scene group function, 8 logic function channels (AND; OR, XOR, threshold comparator, format converter) each with 8 inputs

Power supply from KNX: DC 21-30 V approx. 24 V/3 mA

Auxiliary Power supply: DC 21-30 V approx. 24 V/85 mA

Screen: 10 cm (3.95") LCD, 480 x 480 pixels

Measuring accuracy: ±1 °C at 25 °C

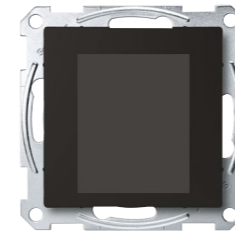
IP protection rating: IP 20

Dimensions WxHxD: 86 x 86 x 32 mm

Accessories: Dismantling protection MTN6270-0000

Note: Programmable with ETS5 and higher.

System M / System D



KNX Multitouch Pro



Version	Art. no.
	MTN6215-0310 Discontinued

For System M.

Comfortable room controller for controlling up to 32 room functions and the room temperature. All functions are displayed on a touch screen and are called up using simple finger movements. The user chooses from 3 interface designs that can be freely assigned to the room functions. The room temperature control can be shown in 2 different designs.

With room temperature control unit, display and connection for the remote sensor.

The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators.

ETS device functions:

- Switch-on behaviour of the user interface
- Proximity function: The display and the start screen only become visible when approached
- Gesture function: The device recognises a gesture (horizontal or vertical swipe movement) and triggers a function. In this way, the light can be switched on when you enter the room, for example.
- Cleaning mode: For a specific period of time, neither touches nor gestures are detected
- Adjusting the background lighting
- Setting the screen saver

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

Control unit/push-button:

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams, pulse edges with 2-byte telegrams, 8-bit linear regulator, scene retrieval, scene saving, signal function, fan control, operating modes, setpoint adjustment

Functions of the room temperature control unit:

Controller type: 2-step controller, continuous-action PI control, switching PI control (PWM)
Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby (ECO), night reduction, frost/heat protection

Move all setpoints. Save all setpoint temperatures and operating modes when reset. External temperature monitoring. Additional output of the control value as 1 byte value on the PWM. Signal function for the actual temperature, valve protection function.

Scene function.

Operation: Touch display

Accessories: Dismantling protection MTN6270-0000

Remote sensor for universal room temperature control unit

with touch display MTN5775-0003

Note: Programmable with ETS4 and higher.

Contents: With bus connecting terminal and supporting plate.



KNX Multitouch Pro



Version	Art. no.
	MTN6215-5910 Discontinued

For System D.

Comfortable room controller for controlling up to 32 room functions and the room temperature. All functions are displayed on a touch screen and are called up using simple finger movements. The user chooses from 3 interface designs that can be freely assigned to the room functions. The room temperature control can be shown in 2 different designs.

With room temperature control unit, display and connection for the remote sensor.

The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators.

ETS device functions:

- Switch-on behaviour of the user interface
- Proximity function: The display and the start screen only become visible when approached
- Gesture function: The device recognises a gesture (horizontal or vertical swipe movement) and triggers a function. In this way, the light can be switched on when you enter the room, for example.
- Cleaning mode: For a specific period of time, neither touches nor gestures are detected
- Adjusting the background lighting
- Setting the screen saver

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

Control unit/push-button:

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams, pulse edges with 2-byte telegrams, 8-bit linear regulator, scene retrieval, scene saving, signal function, fan control, operating modes, setpoint adjustment

Functions of the room temperature control unit:

Controller type: 2-step controller, continuous-action PI control, switching PI control (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby (ECO), night reduction, frost/heat protection

Move all setpoints. Save all setpoint temperatures and operating modes when reset. External temperature monitoring. Additional output of the control value as 1 byte value on the PWM.

Signal function for the actual temperature, valve protection function.

Scene function.

Operation: Touch display

Accessories: Dismantling protection MTN6270-0000

Remote sensor for universal room temperature control unit with touch display MTN5775-0003

Fixing frame for 3-module box MTN6270-0015

D-Life frame, 1-gang, for 3-module box MTN6010-65xx

Note: Programmable with ETS4 and higher.

Contents: With bus connecting terminal and supporting plate.



Dismantling protection



Version	Art. no.
	MTN6270-0000

Prevents the KNX Push-buttons Pro/Pro T, KNX Multi-Touch Pro, and 4" Touch Unit from being removed easily.

In KNX, to be completed with:

KNX Push-button ProT

System M MTN6185-03/04..

System Design MTN6185-60..

KNX Multitouch Pro System M MTN6215-03..

System D MTN6215-59..

System D MTN6216-5910

SpaceLogic KNX 4" Touch Unit MTN6215-0410

Contents: 2 stainless steel hooks.



Remote sensor for universal room temperature control unit with touch display



Version	Art. no.
	MTN5775-0003 Discontinued

For use with underfloor heating systems.

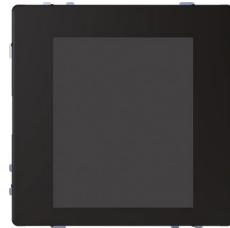
To be completed with: Universal temperature control unit insert with touch display MTN5775-0000

Programmable universal temperature control unit insert with touch display MTN5776-0000

KNX Multitouch Pro System M MTN6215-03..

System D MTN6215-59..

System D MTN6216-5910



KNX Multitouch Pro



Version	Art. no.
	MTN6216-5910 Discontinued

For the Danish market.

For System D.

Comfortable room controller for controlling up to 32 room functions and the room temperature. All functions are displayed on a touch screen and are called up using simple finger movements. The user chooses from 3 interface designs that can be freely assigned to the room functions. The room temperature control can be shown in 2 different designs.

With room temperature control unit, display and connection for the remote sensor.

The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators.

ETS device functions:

- Switch-on behaviour of the user interface
- Proximity function: The display and the start screen only become visible when approached
- Gesture function: The device recognises a gesture (horizontal or vertical swipe movement) and triggers a function. In this way, the light can be switched on when you enter the room, for example.
- Cleaning mode: For a specific period of time, neither touches nor gestures are detected
- Adjusting the background lighting
- Setting the screen saver

With integrated bus coupler. The bus is connected using a bus connecting terminal.

With fixing frame for DK-Fuga wall box.

KNX software functions:

Control unit/push-button:

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams, pulse edges with 2-byte telegrams, 8-bit linear regulator, scene retrieval, scene saving, signal function, fan control, operating modes, setpoint adjustment

Functions of the room temperature control unit:

Controller type: 2-step controller, continuous-action PI control, switching PI control (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby (ECO), night reduction, frost/heat protection

Move all setpoints. Save all setpoint temperatures and operating modes when reset. External temperature monitoring. Additional output of the control value as 1 byte value on the PWM.

Signal function for the actual temperature, valve protection function.

Scene function.

Operation: Touch display

Accessories: Dismantling protection MTN6270-0000

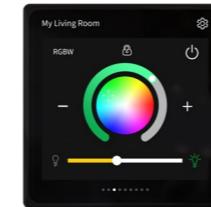
Remote sensor for universal room temperature control unit with touch display MTN5775-0003

Note: Programmable with ETS4 and higher.

Contents: With fixing frame for DK-Fuga wall box.

With bus connecting terminal.

Design-Independent



KNX Secure 4" Touch Unit



Version	Art. no.
glass	MTN6215-0410S New

The KNX Secure 4" Touch Unit is a room controller designed to be the center of the smart home. Premium materials and a high-quality display with built-in sensors offer a wide range of applications. The device supports KNX Secure.

The slim design of the product fits perfectly into the modern concept of today's smart installations and architecture. The product can be used in both residential and commercial projects. The product has a modern, seamless user interface that provides an immersive experience every time it is used, with the display waking up simply by moving closer thanks to the proximity sensor.

The display has up to 9 screens that can display individual functions as widgets. This allows you to have different combinations of up to 6 widgets on each screen and effectively control all connected systems. You move between screens with a simple swipe, familiar from traditional smartphone use.

User Interface functions:

- Different UI theme style
- Screen saver
- Orientation indicator
- Proximity function triggered by object
- Setting the backlight in normal/night mode
- Setting the appearance of the screen

Main functions

- Brightness dimming
- RGB dimming
- RGBW dimming
- Colour temperature dimming
- Venetian blind position and slat
- Air conditioner control
- Room temperature control
- Ventilation control
- Audio control

HVAC controller functions:

- FCU controller: switching on/off (2-point control), switching PWM (PI control), continuous control (PI control)
- Floor heating controller
- Ventilation controller

General: Scene group function, 8 logic function channels (AND; OR, XOR, threshold comparator, format converter) each with 8 inputs

Power supply from KNX: DC 21-30 V approx. 24 V/3 mA

Auxiliary Power supply: DC 21-30 V approx. 24 V/85 mA

KNX: KNX Secure

Screen: 10 cm (3.95") LCD, 480 x 480 pixels

Measuring accuracy: ±1 °C at 25 °C

IP protection rating: IP 20

Dimensions WxHxD: 86 x 86 x 32 mm

Accessories: Dismantling protection MTN6270-0000

Note: Programmable with ETS5 and higher.

Push-Buttons

Design-Independent



SpaceLogic KNX 4" Touch Unit



Version	Art. no.
glass	MTN6215-0410

The 4" Touch unit is a room controller designed to be the center of the smart home. Premium materials and a high-quality display with built-in sensors offer a wide range of applications.

The slim design of the product fits perfectly into the modern concept of today's smart installations and architecture. The product can be used in both residential and commercial projects. The product has a modern, seamless user interface that provides an immersive experience every time it is used, with the display waking up simply by moving closer thanks to the proximity sensor.

The display has up to 9 screens that can display individual functions as widgets. This allows you to have different combinations of up to 6 widgets on each screen and effectively control all connected systems. You move between screens with a simple swipe, familiar from traditional smartphone use.

User interface functions:

- Different UI theme style
- Screen saver
- Orientation indicator
- Proximity function triggered by object
- Setting the backlight in normal/night mode
- Setting the appearance of the screen

Main functions

- Brightness dimming
- RGB dimming
- RGBW dimming
- Colour temperature dimming
- Venetian blind position and slat
- Air conditioner control
- Room temperature control
- Ventilation control
- Audio control

HVAC controller functions:

- FCU controller: switching on/off (2-point control), switching PWM (PI control), continuous control (PI control)
- Floor heating controller
- Ventilation controller

General: Scene group function, 8 logic function channels (AND; OR, XOR, threshold comparator, format converter) each with 8 inputs

Power supply from KNX: DC 21-30 V approx. 24 V/3 mA

Auxiliary Power supply: DC 21-30 V approx. 24 V/85 mA

Screen: 10 cm (3.95") LCD, 480 x 480 pixels

Measuring accuracy: ±1 °C at 25 °C

IP protection rating: IP 20

Dimensions WxHxD: 86 x 86 x 32 mm

Accessories: Dismantling protection MTN6270-0000

Note: Programmable with ETS5 and higher.

Push-Buttons

System M

System M



KNX Push-button Pro T



Version	Art. no.
<input type="checkbox"/> polar white, glossy	MTN6185-0319
<input type="checkbox"/> active white, glossy	MTN6185-0325
<input checked="" type="checkbox"/> anthracite	MTN6185-0414
<input type="checkbox"/> aluminium	MTN6185-0460

For System M.

Push-button with 1 to 4 operating buttons and integrated temperature sensor for room temperature measurement.

The push button allows two different operation methods: either the normal manual operation via key stroke or the touchless operation triggered by proximity. The touchless operation allows to trigger 1 function, such as toggling or calling up a scene. Both operation methods cannot be performed simultaneously on the same push-button.

In idle state, the surface of the push-button appears as a uniform plane. The labelling of the push-buttons only becomes visible via the backlit symbols after activation. For this purpose, the included prefabricated foils or the individual symbols with various icons.

The position of the operating buttons varies depending on the selected number of operating buttons.

With status indicators.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

ETS device functions:

- Behaviour and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- The LEDs are only activated and the functions only become visible when approached.
- Temperature sensor

KNX software functions:

With touchless function: toggle, switch on, switch off, call up scene

With normal manual operation there are 2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4-bit or 1-byte telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, locking function.

Proximity function: triggered by object or sensor, sensitivity adjustment

Temperature sensor: offset setting, sending of the actual temperature in case of a deviation, cyclic sending of the actual temperature

Accessories: Dismantling protection MTN6270-0000

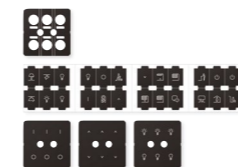
Foil set for KNX Push-button Pro MTN6270-0010

Note: Programmable only with ETS5.

Contents: Device with inserted prefabricated foil.

With bus connecting terminal and supporting plate.

3 prefabricated foils and 24 different individual symbols with 1 carrier foil.



Foil set for KNX Push-button Pro



Version	Art. no.
	MTN6270-0010

Spare part

For System M.

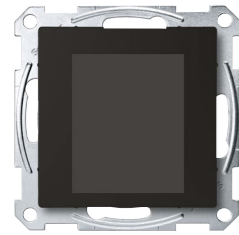
For individual marking of the KNX Push-buttons Pro T.

In KNX, to be completed with: KNX Push-button Pro T MTN6185-03/04...

Contents: 3 prefabricated foils and 24 different individual symbols with 1 carrier foil.

Push-Buttons

System M



KNX Multitouch Pro



Version	Art. no.
	MTN6215-0310 Discontinued

For System M.
Comfortable room controller for controlling up to 32 room functions and the room temperature. All functions are displayed on a touch screen and are called up using simple finger movements. The user chooses from 3 interface designs that can be freely assigned to the room functions. The room temperature control can be shown in 2 different designs.
With room temperature control unit, display and connection for the remote sensor.
The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators.

ETS device functions:

- Switch-on behaviour of the user interface
- Proximity function: The display and the start screen only become visible when approached
- Gesture function: The device recognises a gesture (horizontal or vertical swipe movement) and triggers a function. In this way, the light can be switched on when you enter the room, for example.
- Cleaning mode: For a specific period of time, neither touches nor gestures are detected
- Adjusting the background lighting
- Setting the screen saver

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

Control unit/push-button:

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams, pulse edges with 2-byte telegrams, 8-bit linear regulator, scene retrieval, scene saving, signal function, fan control, operating modes, setpoint adjustment

Functions of the room temperature control unit:

Controller type: 2-step controller, continuous-action PI control, switching PI control (PWM)
Output: continuous in the range 0 to 100% or switching ON/OFF
Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby (ECO), night reduction, frost/heat protection

Move all setpoints. Save all setpoint temperatures and operating modes when reset. External temperature monitoring. Additional output of the control value as 1 byte value on the PWM.

Signal function for the actual temperature, valve protection function.

Scene function.

Operation: Touch display

Accessories: Dismantling protection MTN6270-0000

Remote sensor for universal room temperature control unit with touch display MTN5775-0003

Note: Programmable with ETS4 and higher.

Contents: With bus connecting terminal and supporting plate.

Remote sensor for universal room temperature control unit with touch display



Version	Art. no.
	MTN5775-0003 Discontinued

For use with underfloor heating systems.

To be completed with: Universal temperature control unit insert with touch display MTN5775-0000

Programmable universal temperature control unit insert with touch display MTN5776-0000

KNX Multitouch Pro System M MTN6215-03..

System D MTN6215-59..

System D MTN6216-5910



Push-Buttons

System M



Dismantling protection



Version	Art. no.
	MTN6270-0000

Prevents the KNX Push-buttons Pro T, KNX Multi-Touch Pro, and 4" Touch Unit from being removed easily.

In KNX, to be completed with:

KNX Push-button ProT

System M MTN6185-03/04..

System Design MTN6185-60..

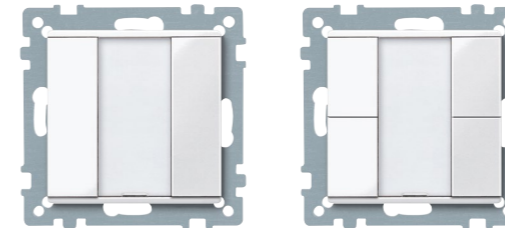
KNX Multitouch Pro System M MTN6215-03..

System D MTN6215-59..

System D MTN6216-5910

SpaceLogic KNX 4" Touch Unit MTN6215-0410

Contents: 2 stainless steel hooks.



Push-button, 1-gang plus



Version	Art. no.	Version	Art. no.
<input checked="" type="checkbox"/> white, glossy	MTN617144	<input checked="" type="checkbox"/> white, glossy	MTN617244
<input type="checkbox"/> polar white, glossy	MTN617119	<input type="checkbox"/> polar white, glossy	MTN617219
<input type="checkbox"/> active white, glossy	MTN617125	<input type="checkbox"/> active white, glossy	MTN617225
<input checked="" type="checkbox"/> anthracite	MTN627514	<input checked="" type="checkbox"/> anthracite	MTN627614
<input type="checkbox"/> aluminium	MTN627560	<input type="checkbox"/> aluminium	MTN627660

Push-button, 2-gang plus



For System M.
With integrated bus coupling unit.
Push-button with 2 operating buttons, operating and status display and labelling field. The operating display can also be used as an orientation light.

The device is connected to the bus line with a bus connecting terminal.

KNX software functions: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.

Contents: With protective hood for plaster. With bus connecting terminal.

For System M.
With integrated bus coupling unit.
Push-button with 4 operating buttons, operating and status display and labelling field. The operating display can also be used as an orientation light.

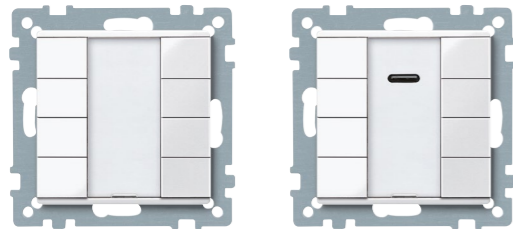
The device is connected to the bus line with a bus connecting terminal.

KNX software functions: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.

Contents: With protective hood for plaster. With bus connecting terminal.

Push-Buttons

System M



Push-button, 4-gang plus		Push-button, 4-gang plus with IR receiver	
Version	Art. no.	Version	Art. no.
<input checked="" type="checkbox"/> white, glossy	MTN617444		
<input type="checkbox"/> polar white, glossy	MTN617419	<input type="checkbox"/> polar white, glossy	MTN617519
<input type="checkbox"/> active white, glossy	MTN617425		
<input checked="" type="checkbox"/> anthracite	MTN627814	<input checked="" type="checkbox"/> anthracite	MTN627914
<input type="checkbox"/> aluminium	MTN627860	<input type="checkbox"/> aluminium	MTN627960

For System M.
With integrated bus coupling unit.
Push-button with 8 operating buttons, operating and status display and labelling field. The operating display can also be used as an orientation light.
The device is connected to the bus line with a bus connecting terminal.
KNX software functions: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.
Contents: With protective hood for plaster. With bus connecting terminal.

For System M.
With integrated bus coupling unit.
Push-button with 8 operating buttons, operating and status display and labelling field. The operating display can also be used as an orientation light.
The functions of each of the keys can be triggered using an IR remote control.
The push-button is pre-programmed for operation with a Merten IR remote control Distance. Many other IR remote controls (e.g. existing TV or CD player remote controls) can be taught into the push-buttons.
The device is connected to the bus line with a bus connecting terminal.
KNX software functions: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.
Transmitter: IR universal remote control MTN5761-0000
Contents: With protective hood for plaster. With bus connecting terminal.

Push-Buttons

System M



Push-button 2-gang plus with room temperature control unit	
Version	Art. no.
<input type="checkbox"/> polar white, glossy	MTN6212-0319
<input type="checkbox"/> active white, glossy	MTN6212-0325
<input checked="" type="checkbox"/> anthracite	MTN6212-0414
<input type="checkbox"/> aluminium	MTN6212-0460

For System M.
Convenient control unit with 4 operating buttons, operating and status display and labelling field. The operating display can also be used as an orientation light.
With room temperature control unit and display.
With 5 red LEDs.
The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators. With the white backlit display for showing e.g. the time, date, temperature and operating mode. Menu for setting default operating modes, setpoint value, working/non-working day (external trigger), display mode, time, switching times and brightness of the display.
The push-buttons are freely parameterisable as push-button pairs (dual-surface) or as single push-buttons.
With integrated bus coupler. The bus is connected using a bus connecting terminal.
KNX software functions:
Functions of the push-buttons:

Switching, toggling, dimming, blind control (relative or absolute), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions, timed control with synchronisation, notification functions, the cyclic reading of external temperature values, fan control, operating modes, move setpoints.
Functions of the room temperature control unit:

Controller type: 2-step control, continuous PI controller, switching PI controller (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- Heating and cooling with one controller output
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby, night reduction, frost/heat protection

Move all setpoints, save all setpoint temperatures and operating modes when reset, external temperature monitoring, additional output of the control value as 1 byte value on the PWM.

Monitoring function for the actual temperature, valve protection function.

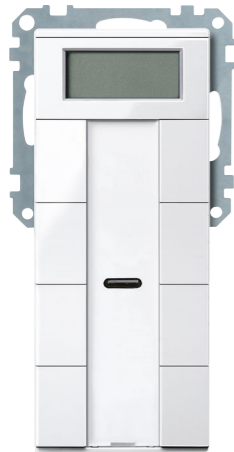
Scene function.

Operation: Menu.

Contents: With bus connecting terminal and supporting plate.
Screw for protection against dismantling.
With protective hood for plaster.

Push-Buttons

System M



Push-button 4-gang plus with room temperature control unit



Version	Art. no.
<input type="checkbox"/> polar white, glossy	MTN6214-0319
<input checked="" type="checkbox"/> anthracite	MTN6214-0414
<input type="checkbox"/> aluminium	MTN6214-0460

For System M.

Convenient control unit with 8 operating buttons, operating and status display and labelling field. The operating display can also be used as an orientation light.

With room temperature control unit and display.

With integrated piezoelectric buzzer to display alarm states and IR receiver. All functions of the respective buttons can be controlled via IR remote control.

With 9 red LEDs.

The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators. With the white backlit display for showing e.g. the time, date, temperature and operating mode. Menu for setting default operating modes, setpoint value, working/non-working day (external trigger), display mode, time, switching times and brightness of the display.

The push-buttons are freely parameterisable as push-button pairs (dual-surface) or as single push-buttons.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

Functions of the push-buttons:

Switching, toggling, dimming, blind control (relative or absolute), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions, timed control with synchronisation, notification functions, the cyclic reading of external temperature values, fan control, operating modes, move setpoints.

Functions of the room temperature control unit:

Controller type: 2-step control, continuous PI controller, switching PI controller (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- Heating and cooling with one controller output
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby, night reduction, frost/heat protection

Move all setpoints, save all setpoint temperatures and operating modes when reset, external temperature monitoring, additional output of the control value as 1 byte value on the PWM.

Monitoring function for the actual temperature, valve protection function.

Scene function.

Operation: Menu.

Transmitter: IR universal remote control MTN5761-0000

To be completed with: M-Smart frame, 2-gang without central bridge piece MTN4788..., M-Arc frame, 2-gang without central bridge piece MTN4858..., M-Star frame, 2-gang without central bridge piece MTN4668..., MTN4768..., MTN4868..., M-Plan frames, 2-gang without central bridge piece MTN4888..., MTN5158..., Metal frame, 2-gang without central bridge piece M-Elegance MTN4038..., Real glass frame, 2-gang without central bridge piece M-Elegance MTN4048..

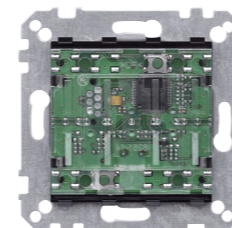
Contents: With bus connecting terminal and supporting plate.

Screw for protection against dismantling.

With protective hood for plaster.

Push-Buttons

System M



Rocker for 1-gang push-button module



Version	Art. no.
<input type="checkbox"/> active white, glossy	MTN619125
<input checked="" type="checkbox"/> anthracite	MTN625114
<input type="checkbox"/> aluminium	MTN625160

For System M.

The rocker is attached to the 1-gang push-button module.

In KNX, to be completed with: KNX push-button module, 1-gang System M MTN625199

Rocker for 1-gang push-button module with up/down arrow imprint



Version	Art. no.
<input type="checkbox"/> polar white, glossy	MTN619419
<input type="checkbox"/> active white, glossy	MTN619425
<input checked="" type="checkbox"/> anthracite	MTN625514
<input type="checkbox"/> aluminium	MTN625560

For System M.

The rocker is attached to the 1-gang push-button module.

In KNX, to be completed with: KNX push-button module, 1-gang System M MTN625199

KNX push-button module, 1-gang



Version	Art. no.
	MTN625199

For System M.

Push-button module without rocker. With programmable status display.

The device is connected to the bus line with a bus connecting terminal. With integrated bus coupler.

KNX software functions: The push-buttons can be parameterised either as a pair (dual-surface) or individually (single-surface).

Single-surface: Switch ON or switch OFF, dimming, scenes, blinds.



Dual-surface: Switch ON or switch OFF, dimming, scenes, blinds.

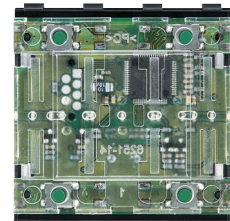
In KNX, to be completed with: Rocker for 1-gang push-button module System M MTN6191..., MTN6251..., Rocker for 1-gang push-button module with 1/0 imprint System M MTN6254..., MTN6193..., Rocker for 1-gang push-button module with up/down arrow imprint System M MTN6255..., MTN6194..


Push-Buttons

System M



Rockers for 2-gang push-button module		Rockers for 2-gang push-button module with 1/0 and up/down arrow imprint	
			
Version	Art. no.	Version	Art. no.
<input type="checkbox"/> active white, glossy	MTN619225	<input type="checkbox"/> polar white, glossy	MTN619519
<input checked="" type="checkbox"/> anthracite	MTN625214	<input type="checkbox"/> active white, glossy	MTN619525
<input checked="" type="checkbox"/> aluminium	MTN625260		
<p>For System M. The rockers are attached to the 2-gang push-button module. To be completed with: Push-button module, 2-gang System M MTN568499 In KNX, to be completed with: KNX push-button module, 2-gang System M MTN625299</p>		<p>For System M. The rockers are attached to the 2-gang push-button module. In KNX, to be completed with: KNX push-button module, 2-gang System M MTN625299</p>	



KNX push-button module, 2-gang	
	
Version	Art. no.
	MTN625299

For System M.
Push-button module without rockers. With programmable status display.
The device is connected to the bus line with a bus connecting terminal. With integrated bus coupler.

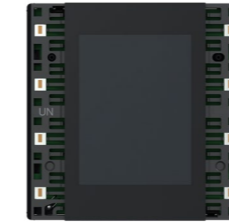
KNX software functions: The push-buttons can be parameterised either as a pair (dual-surface) or individually (single-surface).
Single-surface: Switch ON or switch OFF, dimming, scenes.
Dual-surface: Switch ON or switch OFF, dimming, scenes, blinds.


In KNX, to be completed with: Rockers for 2-gang push-button module System M MTN6192..., MTN6252..., Rockers for 2-gang push-button module with 1/0 and up/down arrow imprint System M MTN6256..., MTN6195..., Rockers for 2-gang push-button module with up/down arrow and 1/0 imprint System M MTN6257..., MTN6196..., Rockers for 2-gang push-button module with up/down arrow imprint System M MTN6258..., MTN6197..

Push-Buttons

System D

System D



KNX Secure Push Button Dynamic Labeling Universal		
		
Version	Art. no.	
universal	MTN6194-6010S	New

For System D.
The KNX Secure Push Button Dynamic Labeling Universal is a push button for 2 to max 8 rockers on which different functions can be set. This flexible structure allows the number of rockers/functions to be adapted to changing requirements. The device supports KNX Secure.

The functions are configured in the ETS or eConfigure KNX and then shown accordingly on the display. This type of labeling makes it very easy to change a symbol and text.

ETS device functions:

- Display: Icons can be selected to match the function and their color and brightness can be configured. Individual text can be placed. Cleaning mode can be configured.
- Temperature measurement by internal sensor and setpoint change option for HVAC
- Night mode with reduced display brightness
- Orientation indicator: configuration of behaviour, color and brightness
- KNX programming mode can be activated from the back and from the front.
- Proximity function: can be triggered by the sensor or by object, range of proximity ≤12 cm

KNX software functions:
Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4-bit or 1-byte telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene, RGB lighting, color temperature control, locking function, logic function (AND, OR, XOR, threshold converter, format converter).

There are 2 programming options for the KNX software functions:

- Express settings: Calls up a pre-set configuration of the functions
- Extended settings: Individual configuration of the functions

The bus is connected using a bus connecting terminal, power supply via the KNX bus.

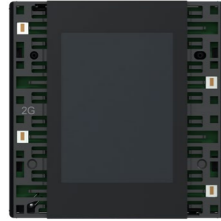
To be completed with: Rocker 1-gang for KNX Push Button Dynamic Labeling MTN6191-6035, MTN6191-6034, MTN6191-6036, MTN6191-6050, MTN6191-6052
Rocker 2-gang for KNX Push Button Dynamic Labeling MTN6192-6035, MTN6192-6034, MTN6192-6036, MTN6192-6050, MTN6192-6052
Rocker 3-gang for KNX Push Button Dynamic Labeling MTN6193-6035, MTN6193-6034, MTN6193-6036, MTN6193-6050, MTN6193-6052
Rocker 4-gang for KNX Push Button Dynamic Labeling MTN6194-6035, MTN6194-6034, MTN6194-6036, MTN6194-6050, MTN6194-6052

Power supply from KNX: DC 24 V approx. 24 V/16 mA
KNX: KNX Secure
Measuring accuracy: ±1 °C at 25 °C
IP protection rating: IP 20
Dimensions WxHxD: 71 x 71 x 31 mm

Accessories: Dismantling protection MTN6270-0000
Note: Programmable with ETS5, ETS6, and eConfigure KNX.
Contents: Push button, bus connecting terminal and supporting plate.

Push-Buttons

System D



KNX Push Button Dynamic Labeling, 2-gang



Version	Art. no.
2-gang	MTN6192-6010

For System D.

The KNX Push Button Dynamic Labeling 2-gang is a push button for 4 rockers on which different functions can be set. The functions are configured in the ETS or eConfigure KNX and then shown accordingly on the display. This type of labeling makes it very easy to change a symbol and text.

ETS device functions:

- Display: Icons can be selected to match the function and their color and brightness can be configured. Individual text can be placed. Cleaning mode can be configured.
- Temperature measurement by internal sensor and setpoint change option for HVAC
- Night mode with reduced display brightness
- Orientation indicator: configuration of behaviour, color and brightness
- KNX programming mode can be activated from the back and from the front.
- Proximity function: can be triggered by the sensor or by object, range of proximity ≤ 12 cm

KNX software functions:

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4-bit or 1-byte telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene, RGB lighting, color temperature control, locking function, logic function (AND, OR, XOR, threshold converter, format converter).

There are 2 programming options for the KNX software functions:

- Express settings: Calls up a pre-set configuration of the functions
- Extended settings: Individual configuration of the functions

The bus is connected using a bus connecting terminal, power supply via the KNX bus.

To be completed with: Rocker 2-gang for KNX Push Button Dynamic Labeling MTN6192-6035, MTN6192-6034, MTN6192-6036, MTN6192-6050, MTN6192-6052

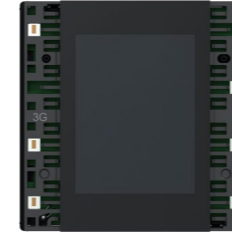
Accessories: Dismantling protection MTN6270-0000

Note: Programmable with ETS5, ETS6, and eConfigure KNX.

Contents: Push button, bus connecting terminal and supporting plate.

Push-Buttons

System D



KNX Push Button Dynamic Labeling, 3-gang



Version	Art. no.
3-gang	MTN6193-6010

For System D.

The KNX Push Button Dynamic Labeling 3-gang is a push button for 6 rockers on which different functions can be set. The functions are configured in the ETS or eConfigure KNX and then shown accordingly on the display. This type of labeling makes it very easy to change a symbol and text.

ETS device functions:

- Display: Icons can be selected to match the function and their color and brightness can be configured. Individual text can be placed. Cleaning mode can be configured.
- Temperature measurement by internal sensor and setpoint change option for HVAC
- Night mode with reduced display brightness
- Orientation indicator: configuration of behaviour, color and brightness
- KNX programming mode can be activated from the back and from the front.
- Proximity function: can be triggered by the sensor or by object, range of proximity ≤ 12 cm

KNX software functions:

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4-bit or 1-byte telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene, RGB lighting, color temperature control, locking function, logic function (AND, OR, XOR, threshold converter, format converter).

There are 2 programming options for the KNX software functions:

- Express settings: Calls up a pre-set configuration of the functions
- Extended settings: Individual configuration of the functions

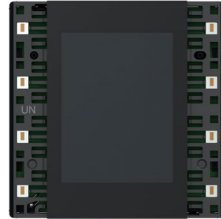
The bus is connected using a bus connecting terminal, power supply via the KNX bus.

To be completed with: Rocker 3-gang for KNX Push Button Dynamic Labeling MTN6193-6035, MTN6193-6034, MTN6193-6036, MTN6193-6050, MTN6193-6052

Accessories: Dismantling protection MTN6270-0000

Note: Programmable with ETS5, ETS6, and eConfigure KNX.

Contents: Push button, bus connecting terminal and supporting plate.



KNX Push Button Dynamic Labeling, universal



Version	Art. no.
universal	MTN6194-6010

For System D.

The KNX Push Button Dynamic Labeling Universal is a push button for 2 to max 8 rockers on which different functions can be set. This flexible structure allows the number of rockers/functions to be adapted to changing requirements.

The functions are configured in the ETS or eConfigure KNX and then shown accordingly on the display. This type of labeling makes it very easy to change a symbol and text.

ETS device functions:

- Display: Icons can be selected to match the function and their color and brightness can be configured. Individual text can be placed. Cleaning mode can be configured.
- Temperature measurement by internal sensor and setpoint change option for HVAC
- Night mode with reduced display brightness
- Orientation indicator: configuration of behaviour, color and brightness
- KNX programming mode can be activated from the back and from the front.
- Proximity function: can be triggered by the sensor or by object, range of proximity ≤12 cm

KNX software functions:

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4-bit or 1-byte telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene, RGB lighting, color temperature control, locking function, logic function (AND, OR, XOR, threshold converter, format converter).

There are 2 programming options for the KNX software functions:

- Express settings: Calls up a pre-set configuration of the functions
- Extended settings: Individual configuration of the functions

The bus is connected using a bus connecting terminal, power supply via the KNX bus.

To be completed with: Rocker 1-gang for KNX Push Button Dynamic Labeling MTN6191-6035, MTN6191-6034, MTN6191-6036, MTN6191-6050, MTN6191-6052

Rocker 2-gang for KNX Push Button Dynamic Labeling MTN6192-6035, MTN6192-6034, MTN6192-6036, MTN6192-6050, MTN6192-6052

Rocker 3-gang for KNX Push Button Dynamic Labeling MTN6193-6035, MTN6193-6034, MTN6193-6036, MTN6193-6050, MTN6193-6052

Rocker 4-gang for KNX Push Button Dynamic Labeling MTN6194-6035, MTN6194-6034, MTN6194-6036, MTN6194-6050, MTN6194-6052

Accessories: Dismantling protection MTN6270-0000

Note: Programmable with ETS5, ETS6, and eConfigure KNX.

Contents: Push button, bus connecting terminal and supporting plate.

Rocker 1-gang for KNX Push Button Dynamic Labeling



Version	Art. no.
<input type="checkbox"/> lotus white	MTN6191-6035
<input checked="" type="checkbox"/> anthracite	MTN6191-6034
<input type="checkbox"/> stainless steel	MTN6191-6036
<input type="checkbox"/> nickel metallic	MTN6191-6050
<input type="checkbox"/> mocca metallic	MTN6191-6052

For System D.

The rockers are placed on the Push Button Dynamic Labeling. The rockers can be put on and removed again without tools.

To be completed with: KNX Secure Push Button Dynamic Labeling Universal MTN6194-6010S, KNX Push Button Dynamic Labeling, universal MTN6194-6010

Contents: 1x rocker 1-gang.



Rocker 2-gang for KNX Push Button Dynamic Labeling



Version	Art. no.
<input type="checkbox"/> lotus white	MTN6192-6035
<input checked="" type="checkbox"/> anthracite	MTN6192-6034
<input type="checkbox"/> stainless steel	MTN6192-6036
<input type="checkbox"/> nickel metallic	MTN6192-6050
<input type="checkbox"/> mocca metallic	MTN6192-6052

For System D.

The rockers are placed on the Push Button Dynamic Labeling. The rockers can be put on and removed again without tools.

To be completed with: KNX Secure Push Button Dynamic Labeling Universal MTN6194-6010S, KNX Push Button Dynamic Labeling, 2-gang MTN6192-6010, KNX Push Button Dynamic Labeling, universal MTN6194-6010

Contents: 2x rockers 2-gang.

Rocker 3-gang for KNX Push Button Dynamic Labeling



Version	Art. no.
<input type="checkbox"/> lotus white	MTN6193-6035
<input checked="" type="checkbox"/> anthracite	MTN6193-6034
<input type="checkbox"/> stainless steel	MTN6193-6036
<input type="checkbox"/> nickel metallic	MTN6193-6050
<input type="checkbox"/> mocca metallic	MTN6193-6052

For System D.

The rockers are placed on the Push Button Dynamic Labeling. The rockers can be put on and removed again without tools.

To be completed with: KNX Secure Push Button Dynamic Labeling Universal MTN6194-6010S, KNX Push Button Dynamic Labeling, 3-gang MTN6193-6010, KNX Push Button Dynamic Labeling, universal MTN6194-6010

Contents: 1x rocker 2-gang, 2x rockers 4-gang

Rocker 4-gang for KNX Push Button Dynamic Labeling



Version	Art. no.
<input type="checkbox"/> lotus white	MTN6194-6035
<input checked="" type="checkbox"/> anthracite	MTN6194-6034
<input type="checkbox"/> stainless steel	MTN6194-6036
<input type="checkbox"/> nickel metallic	MTN6194-6050
<input type="checkbox"/> mocca metallic	MTN6194-6052

For System D.

The rockers are placed on the Push Button Dynamic Labeling. The rockers can be put on and removed again without tools.

To be completed with: KNX Secure Push Button Dynamic Labeling Universal MTN6194-6010S, KNX Push Button Dynamic Labeling, universal MTN6194-6010

Contents: 4x rockers 4-gang.

Push-Buttons

System D



KNX Push-button Pro T



Version	Art. no.
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Thermoplastic

<input type="checkbox"/>	lotus white	MTN6185-6035
<input checked="" type="checkbox"/>	anthracite	MTN6185-6034
<input type="checkbox"/>	sahara	MTN6185-6033
<input type="checkbox"/>	stainless steel	MTN6185-6036
<input type="checkbox"/>	nickel metallic	MTN6185-6050
<input type="checkbox"/>	champagne metallic	MTN6185-6051
<input type="checkbox"/>	mocca metallic	MTN6185-6052

For System D.

Push-button with 1 to 4 operating buttons and integrated temperature sensor for room temperature measurement.

The push button allows two different operation methods: either the normal manual operation via key stroke or the touchless operation triggered by proximity. The touchless operation allows to trigger 1 function, such as toggling or calling up a scene. Both operation methods cannot be performed simultaneously on the same push-button.

In idle state, the surface of the push-button appears as a uniform plane. The labelling of the push-buttons only becomes visible via the backlit symbols after activation. For this purpose, the included prefabricated foils or the individual symbols with various icons.

The position of the operating buttons varies depending on the selected number of operating buttons.

With status indicators.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

ETS device functions:

- Behaviour and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- The LEDs are only activated and the functions only become visible when approached.
- Temperature sensor

KNX software functions:

With touchless function: toggle, switch on, switch off, call up scene

With normal manual operation there are 2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4-bit or 1-byte telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, locking function.

Proximity function: triggered by object or sensor, sensitivity adjustment

Temperature sensor: offset setting, sending of the actual temperature in case of a deviation, cyclic sending of the actual temperature

Accessories: Dismantling protection MTN6270-0000

Foil set for KNX Push-button Pro MTN6270-0011

Fixing frame for 3-module box MTN6270-0015

D-Life frame, 1-gang, for 3-module box MTN6010-65xx

Note: Programmable only with ETS5.

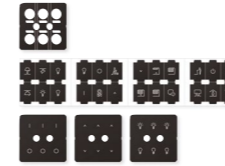
Contents: Device with inserted prefabricated foil.

With bus connecting terminal and supporting plate.

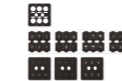
3 prefabricated foils and 24 different individual symbols with 1 carrier foil.

Push-Buttons

System D



Foil set for KNX Push-button Pro



Version	Art. no.
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MTN6270-0011

Spare part

For System D.

For individual marking of the KNX Push-buttons Pro T.

In KNX, to be completed with: KNX Push-button Pro T System D MTN6185-60...
Contents: 3 prefabricated foils and 24 different individual symbols with 1 carrier foil.

Dismantling protection



Version	Art. no.
---------	----------

MTN6270-0000

Prevents the KNX Push-buttons Pro/Pro T, KNX Multi-Touch Pro, and 4" Touch Unit from being removed easily.

In KNX, to be completed with:

KNX Push-button ProT

System M MTN6185-03/04..

System Design MTN6185-60..

KNX Multitouch Pro System M MTN6215-03..

System D MTN6215-59..

System D MTN6216-5910

SpaceLogic KNX 4" Touch Unit MTN6215-0410

Contents: 2 stainless steel hooks.



KNX Multitouch Pro



Version	Art. no.
	MTN6215-5910 Discontinued

For System D.

Comfortable room controller for controlling up to 32 room functions and the room temperature. All functions are displayed on a touch screen and are called up using simple finger movements. The user chooses from 3 interface designs that can be freely assigned to the room functions. The room temperature control can be shown in 2 different designs.

With room temperature control unit, display and connection for the remote sensor.

The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators.

ETS device functions:

- Switch-on behaviour of the user interface
- Proximity function: The display and the start screen only become visible when approached
- Gesture function: The device recognises a gesture (horizontal or vertical swipe movement) and triggers a function. In this way, the light can be switched on when you enter the room, for example.
- Cleaning mode: For a specific period of time, neither touches nor gestures are detected
- Adjusting the background lighting
- Setting the screen saver

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

Control unit/push-button:

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams, pulse edges with 2-byte telegrams, 8-bit linear regulator, scene retrieval, scene saving, signal function, fan control, operating modes, setpoint adjustment

Functions of the room temperature control unit:

Controller type: 2-step controller, continuous-action PI control, switching PI control (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby (ECO), night reduction, frost/heat protection

Move all setpoints. Save all setpoint temperatures and operating modes when reset. External temperature monitoring. Additional output of the control value as 1 byte value on the PWM.

Signal function for the actual temperature, valve protection function.

Scene function.

Operation: Touch display

Accessories: Dismantling protection MTN6270-0000

Remote sensor for universal room temperature control unit

with touch display MTN5775-0003

Fixing frame for 3-module box MTN6270-0015

D-Life frame, 1-gang, for 3-module box MTN6010-65xx

Note: Programmable with ETS4 and higher.

Contents: With bus connecting terminal and supporting plate.



KNX Multitouch Pro



Version	Art. no.
	MTN6216-5910 Discontinued

For the Danish market.

For System D.

Comfortable room controller for controlling up to 32 room functions and the room temperature. All functions are displayed on a touch screen and are called up using simple finger movements. The user chooses from 3 interface designs that can be freely assigned to the room functions. The room temperature control can be shown in 2 different designs.

With room temperature control unit, display and connection for the remote sensor.

The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators.

ETS device functions:

- Switch-on behaviour of the user interface
- Proximity function: The display and the start screen only become visible when approached
- Gesture function: The device recognises a gesture (horizontal or vertical swipe movement) and triggers a function. In this way, the light can be switched on when you enter the room, for example.
- Cleaning mode: For a specific period of time, neither touches nor gestures are detected
- Adjusting the background lighting
- Setting the screen saver

With integrated bus coupler. The bus is connected using a bus connecting terminal.

With fixing frame for DK-Fuga wall box.

KNX software functions:

Control unit/push-button:

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams, pulse edges with 2-byte telegrams, 8-bit linear regulator, scene retrieval, scene saving, signal function, fan control, operating modes, setpoint adjustment

Functions of the room temperature control unit:

Controller type: 2-step controller, continuous-action PI control, switching PI control (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby (ECO), night reduction, frost/heat protection

Move all setpoints. Save all setpoint temperatures and operating modes when reset. External temperature monitoring. Additional output of the control value as 1 byte value on the PWM.

Signal function for the actual temperature, valve protection function.

Scene function.

Operation: Touch display

Accessories: Dismantling protection MTN6270-0000

Remote sensor for universal room temperature control unit with touch display

MTN5775-0003

Note: Programmable with ETS4 and higher.

Contents: With fixing frame for DK-Fuga wall box.

With bus connecting terminal.



Remote sensor for universal room temperature control unit with touch display



Version	Art. no.
	MTN5775-0003 Discontinued

For use with underfloor heating systems.

To be completed with: Universal temperature control unit insert with touch display MTN5775-0000

Programmable universal temperature control unit insert with touch display MTN5776-0000

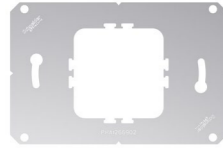
KNX Multitouch Pro System M MTN6215-03..

System D MTN6215-59..

System D MTN6216-5910

Push-Buttons

System D



Fixing frame for 3-module box



Version Art. no.

MTN6270-0015

Fixing frame for 3-module installation boxes.
Plug the KNX devices together with the D-Life frame, 1-gang, for 3-module box on the fixing frame.

Suitable for installation on 3-module boxes.

To be completed with: D-Life frame, 1-gang, for 3-module box System D MTN6010-65xx



D-Life frame, 1-gang, for 3-module box



Version Art. no.

lotus white **MTN6010-6535**

Plug the KNX System D devices together with the D-Life frame on the fixing frame for 3-module box.

For horizontal and vertical installation.

To be completed with: Fixing frame for 3-module box MTN6270-0015

Push-Buttons

Cuadro H

Cuadro H



Cuadro H KNX push-button, 2 key



Version Art. no.

<input type="checkbox"/> white	C2E616101_WE_C1	Thermoplastic
<input type="checkbox"/> white	C2E616101_WE_C1B	Thermoplastic
<input checked="" type="checkbox"/> grey	C2E616101_GY_C1	Thermoplastic
<input checked="" type="checkbox"/> matt black	C2E616101_MB_C1	Thermoplastic
<input checked="" type="checkbox"/> matt black	C2E616101_MB_C1B	Thermoplastic
<input checked="" type="checkbox"/> matt black	C2E616103_MB_C1	Glass
<input checked="" type="checkbox"/> matt black	C2E616102_MB_C1	Metal
<input checked="" type="checkbox"/> stainless steel	C2E616102_ST_C1	Metal

For the Chinese market.

Push-button with 2 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:

- Brightness of LED with status ON in normal mode/night mode, selection of the LEDs to be used in night mode
 - Night mode: LEDs light up with reduced brightness
 - Proximity function: The LEDs are only activated and the functions only become visible when approached. Adjustable proximity sensitivity for normal/night mode
- With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Button type (pc, glass, metal) and number of buttons, switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, loop operation (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

Note: Programmable with ETS5 and higher

Push-Buttons

Cuadro H



Cuadro H KNX push-button, 4 key



Version	Art. no.	
<input type="checkbox"/> white	C2E616201_WE_C1	Thermoplastic
<input type="checkbox"/> white	C2E616201_WE_C1B	Thermoplastic
<input type="checkbox"/> grey	C2E616201_GY_C1	Thermoplastic
<input checked="" type="checkbox"/> matt black	C2E616201_MB_C1	Thermoplastic
<input checked="" type="checkbox"/> matt black	C2E616201_MB_C1B	Thermoplastic
<input checked="" type="checkbox"/> matt black	C2E616203_MB_C1	Glass
<input checked="" type="checkbox"/> matt black	C2E616202_MB_C1	Metal
<input checked="" type="checkbox"/> stainless steel	C2E616202_ST_C1	Metal

For the Chinese market.

Push-button with 4 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:

- Brightness of LED with status ON in normal mode/night mode, selection of the LEDs to be used in night mode
 - Night mode: LEDs light up with reduced brightness
 - Proximity function: The LEDs are only activated and the functions only become visible when approached. Adjustable proximity sensitivity for normal/night mode
- With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Button type (pc, glass, metal) and number of buttons, switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, loop operation (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

Note: Programmable with ETS5 and higher

Push-Buttons

Cuadro H



Cuadro H KNX push-button, 6 key



Version	Art. no.	
<input type="checkbox"/> white	C2E616301_WE_C1	Thermoplastic
<input type="checkbox"/> white	C2E616301_WE_C1B	Thermoplastic
<input type="checkbox"/> grey	C2E616301_GY_C1	Thermoplastic
<input checked="" type="checkbox"/> matt black	C2E616301_MB_C1	Thermoplastic
<input checked="" type="checkbox"/> matt black	C2E616301_MB_C1B	Thermoplastic
<input checked="" type="checkbox"/> matt black	C2E616303_MB_C1	Glass
<input checked="" type="checkbox"/> matt black	C2E616302_MB_C1	Metal
<input checked="" type="checkbox"/> stainless steel	C2E616302_ST_C1	Metal

For the Chinese market.

Push-button with 6 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:

- Brightness of LED with status ON in normal mode/night mode, selection of the LEDs to be used in night mode
 - Night mode: LEDs light up with reduced brightness
 - Proximity function: The LEDs are only activated and the functions only become visible when approached. Adjustable proximity sensitivity for normal/night mode
- With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Button type (pc, glass, metal) and number of buttons, switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, loop operation (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

Note: Programmable with ETS5 and higher

Push-Buttons

Cuadro H



Cuadro H KNX push-button, 8 key



Version	Art. no.	
<input type="checkbox"/> white	C2E616401_WE_C1	Thermoplastic
<input type="checkbox"/> white	C2E616401_WE_C1B	Thermoplastic
<input checked="" type="checkbox"/> grey	C2E616401_GY_C1	Thermoplastic
<input checked="" type="checkbox"/> matt black	C2E616401_MB_C1	Thermoplastic
<input checked="" type="checkbox"/> matt black	C2E616401_MB_C1B	Thermoplastic
<input checked="" type="checkbox"/> matt black	C2E616403_MB_C1	Glass
<input checked="" type="checkbox"/> matt black	C2E616402_MB_C1	Metal
<input checked="" type="checkbox"/> stainless steel	C2E616402_ST_C1	Metal

For the Chinese market.

Push-button with 8 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:

- Brightness of LED with status ON in normal mode/night mode, selection of the LEDs to be used in night mode
 - Night mode: LEDs light up with reduced brightness
 - Proximity function: The LEDs are only activated and the functions only become visible when approached. Adjustable proximity sensitivity for normal/night mode
- With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Button type (pc, glass, metal) and number of buttons, switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, loop operation (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

Note: Programmable with ETS5 and higher

Push-Buttons

Cuadro H



Cuadro H KNX thermostat



Version	Art. no.	
<input type="checkbox"/> white	C2E621201_WE_C1	Thermoplastic
<input type="checkbox"/> white	C2E621201_WE_C1B	Thermoplastic
<input checked="" type="checkbox"/> grey	C2E621201_GY_C1	Thermoplastic
<input checked="" type="checkbox"/> matt black	C2E621201_MB_C1	Thermoplastic
<input checked="" type="checkbox"/> matt black	C2E621201_MB_C1B	Thermoplastic
<input checked="" type="checkbox"/> stainless steel	C2E621201_ST_C1	Thermoplastic

For the Chinese market.

Comfortable room controller with 4 integrated touch buttons with which all functions from room temperature control to load control (switching, dimming, blind) can be activated. An FCU controller, a floor heating controller and a ventilation controller are available as HVAC controllers.

The proximity can be triggered by an object (presence detector) and can also be sent, e.g. to trigger another action or for visualization. LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:

- Brightness of LED with status ON in normal mode/night mode, selection of the LEDs to be used in night mode
- Night mode: LEDs light up with reduced brightness
- Display settings: units, backlight level (normal/standby), delay time
- Proximity function triggered by object
- Button volume

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings:

- Dual-surface: Switching on/off, dimming brighter/darker, moving blind up/down, temperature +/-
- Single-surface: Power on, control mode, operation mode, fan speed, function page, toggling, Scene

Extended settings:

Switching, dimming, value output, scene control (recall/store a scene), blind, loop operation (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

Functions of the room temperature control unit:

- FCU controller: switching on/off (2-point control), switching PWM (PI control), continuous control (PI control)
- Floor heating controller
- Ventilation controller
- VRF control

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

Note: Programmable with ETS5 and higher.

Push-Buttons

Unica

Unica



Unica KNX push-button, 2 key



Version	Art. no.	
■ dark grey	NP16161_01BK_E1	Thermoplastic
■ wine gold	NP16161_01WG_E1	Thermoplastic
■ silver	NP16161_01SL_E1	Thermoplastic

Push-button with 2 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:

- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

Note: Programmable with ETS5 and higher.

Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

Push-Buttons

Unica



Unica KNX push-button, 4 key



Version	Art. no.	
■ dark grey	NP16162_01BK_E1	Thermoplastic
■ wine gold	NP16162_01WG_E1	Thermoplastic
■ silver	NP16162_01SL_E1	Thermoplastic

Push-button with 4 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:

- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

Note: Programmable with ETS5 and higher.

Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

Push-Buttons

Unica



Unica KNX push-button, 6 key



Version	Art. no.	
■ dark grey	NP16163_01BK_E1	Thermoplastic
■ wine gold	NP16163_01WG_E1	Thermoplastic
■ silver	NP16163_01SL_E1	Thermoplastic

Push-button with 6 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:

- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

Note: Programmable with ETS5 and higher.

Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

Push-Buttons

Unica



Unica KNX push-button, 8 key



Version	Art. no.	
■ dark grey	NP16164_01BK_E1	Thermoplastic
■ wine gold	NP16164_01WG_E1	Thermoplastic
■ silver	NP16164_01SL_E1	Thermoplastic

Push-button with 8 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:

- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

Note: Programmable with ETS5 and higher.

Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.



Unica KNX push-button, 5 key plus thermostat



Version	Art. no.	
■ dark grey	NP16212_01BK_E1	Thermoplastic
■ wine gold	NP16212_01WG_E1	Thermoplastic
■ silver	NP16212_01SL_E1	Thermoplastic

Push-button with thermostat, display and 5 operating buttons with status indicators. With an integrated temperature sensor for temperature measurement. The thermostat supports Fan Coil Units (FCU), Variable Refrigerant Flow systems (VRF), floor heating systems and ventilation.

The display shows all relevant information for room temperature control e.g. the actual temperature, heating/cooling status, ventilation, ...

The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:

- Display settings: temperature unit, brightness level, standby adjustment
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.
- Temperature sensor: Calibration and sending behavior

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Power on/off of the device, control mode/operation mode (to call with short/long button press), Fan speed, Temperature +/-, Function page, Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

HVAC settings: FCU or VRF controller, floor heating and ventilation.

FCU: Heating and/or cooling mode, room temperature can be taken as reference from the internal sensor, an external sensor or a combination of both. Implementation of a window contact. Setpoint adjustment.

VRF: Heating and/or cooling mode, dehumidification mode, fan mode, auto mode, fan speed adjustment, setpoint.

Floor heating: Setpoint, PI control, PWM or switching 2-point feedback control, setpoint adjustment

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function, support of CO2 sensor, monitoring of further sensors.

Note: Programmable with ETS5 and higher.

Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.



Unica KNX push-button, 8 key plus thermostat



Version	Art. no.	
■ dark grey	NP16214_01BK_E1	Thermoplastic
■ wine gold	NP16214_01WG_E1	Thermoplastic
■ silver	NP16214_01SL_E1	Thermoplastic

Push-button with thermostat, display and 8 operating buttons with status indicators. With an integrated temperature sensor for temperature measurement. The thermostat supports Fan Coil Units (FCU), Variable Refrigerant Flow systems (VRF), floor heating systems and ventilation.

The display shows all relevant information for room temperature control e.g. the actual temperature, heating/cooling status, ventilation, ...

The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:

- Display settings: temperature unit, brightness level, standby adjustment
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.
- Temperature sensor: Calibration and sending behavior

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Power on/off of the device, control mode/operation mode (to call with short/long button press), Fan speed, Temperature +/-, Function page, Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

HVAC settings: FCU or VRF controller, floor heating and ventilation.

FCU: Heating and/or cooling mode, room temperature can be taken as reference from the internal sensor, an external sensor or a combination of both. Implementation of a window contact. Setpoint adjustment.

VRF: Heating and/or cooling mode, dehumidification mode, fan mode, auto mode, fan speed adjustment, setpoint.

Floor heating: Setpoint, PI control, PWM or switching 2-point feedback control, setpoint adjustment

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function, support of CO2 sensor, monitoring of further sensors.

Note: Programmable with ETS5 and higher.

Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

Push-Buttons

Unica



Unica KNX 4.0 inch touch screen



Version	Art. no.
glass	NP16260_0104

Comfortable room controller with 4 inch touch panel to control up to 54 functions and the room temperature.

All functions are displayed on up to 9 touch screens and called up with simple finger movements. The touch screen is customizable, e.g. the user can choose between 3 theme styles, different screen savers, 43 predefined icons and 35 individual icons.

The proximity can be triggered by an object (presence detector) and can also be sent, e.g. to trigger another action or for visualization.

An FCU controller, a floor heating controller and a ventilation controller are available as HVAC controllers.

ETS device functions:

- On/Off behavior of the user interface
- Proximity function triggered by object
- Setting the backlight in normal/night mode
- Setting the appearance of the screen

With integrated bus coupler. The bus is connected using a bus connecting terminal.

Functions, control unit/push-button:

- Dual-surface: switch, brightness dimming, curtain step/move, roller blind step/move, scene, value output, loop operation, multiple operation, weather information, energy monitoring
- Single-surface: switch, scene, value output, loop operation, multiple operation, weather information, energy monitoring, air quality display
- With only one function of the screen: brightness dimming, RGB dimming (1 x 3 byte, 3 x 1 byte), RGBW dimming (1 x 6 byte, 4 x 1 byte), Colour temperature dimming, venetian blind position and slat, air conditioner control panel (setpoint/actual temperature, internal/external sensor), room temperature control panel, ventilation control panel, audio control (volume adjustment, play mode, 3 play modes)

Functions of the room temperature control unit:

- FCU controller: switching on/off (2-point control), switching PWM (PI control), continuous control (PI control)
- Floor heating controller
- Ventilation controller

General: Scene group function, 8 logic function channels (AND; OR, XOR, threshold comparator, format converter) each with 8 inputs, indication behaviors

Note: Programmable with ETS5 and higher.

Push-Buttons

Unica



Unica KNX push-button, 2 key



Version	Art. no.	
■ metallic silver	NP16161_01MS	Thermoplastic
■ wine gold	NP16161_01WG	Thermoplastic
■ silver	NP16161_01SL	Thermoplastic

For the Chinese market.

Push-button with 2 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. The inscription of the keys only becomes visible via the backlight symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:

- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

Note: Programmable with ETS5 and higher.

Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

Push-Buttons

Unica



Unica KNX push-button, 4 key



Version	Art. no.	
■ metallic silver	NP16162_01MS	Thermoplastic
■ wine gold	NP16162_01WG	Thermoplastic
■ silver	NP16162_01SL	Thermoplastic

For the Chinese market.

Push-button with 4 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:

- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

Note: Programmable with ETS5 and higher.

Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

Push-Buttons

Unica



Unica KNX push-button, 6 key



Version	Art. no.	
■ metallic silver	NP16163_01MS	Thermoplastic
■ wine gold	NP16163_01WG	Thermoplastic
■ silver	NP16163_01SL	Thermoplastic

For the Chinese market.

Push-button with 6 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:

- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

Note: Programmable with ETS5 and higher.

Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

Push-Buttons

Unica



Unica KNX push-button, 8 key



Version	Art. no.	
■ metallic silver	NP16164_01MS	Thermoplastic
■ wine gold	NP16164_01WG	Thermoplastic
■ silver	NP16164_01SL	Thermoplastic

For the Chinese market.

Push-button with 8 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:

- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

Note: Programmable with ETS5 and higher.

Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

Push-Buttons

Unica



Unica KNX push-button, 5 key plus thermostat



Version	Art. no.	
■ metallic silver	NP16212_01MS	Thermoplastic
■ wine gold	NP16212_01WG	Thermoplastic
■ silver	NP16212_01SL	Thermoplastic

For the Chinese market.

Push-button with thermostat, display and 5 operating buttons with status indicators. With an integrated temperature sensor for temperature measurement. The thermostat supports Fan Coil Units (FCU), Variable Refrigerant Flow systems (VRF), floor heating systems and ventilation.

The display shows all relevant information for room temperature control e.g. the actual temperature, heating/cooling status, ventilation, ...

The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:

- Display settings: temperature unit, brightness level, standby adjustment
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.
- Temperature sensor: Calibration and sending behavior

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Power on/off of the device, control mode/operation mode (to call with short/long button press), Fan speed, Temperature +/-, Function page, Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

HVAC settings: FCU or VRF controller, floor heating and ventilation.

FCU: Heating and/or cooling mode, room temperature can be taken as reference from the internal sensor, an external sensor or a combination of both. Implementation of a window contact. Setpoint adjustment.

VRF: Heating and/or cooling mode, dehumidification mode, fan mode, auto mode, fan speed adjustment, setpoint.

Floor heating: Setpoint, PI control, PWM or switching 2-point feedback control, setpoint adjustment

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function, support of CO2 sensor, monitoring of further sensors.

Note: Programmable with ETS5 and higher.

Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

Push-Buttons

Unica



Unica KNX push-button, 8 key plus thermostat



Version	Art. no.	
■ metallic silver	NP16214_01MS	Thermoplastic
■ wine gold	NP16214_01WG	Thermoplastic
■ silver	NP16214_01SL	Thermoplastic

For the Chinese market.

Push-button with thermostat, display and 8 operating buttons with status indicators. With an integrated temperature sensor for temperature measurement. The thermostat supports Fan Coil Units (FCU), Variable Refrigerant Flow systems (VRF), floor heating systems and ventilation.

The display shows all relevant information for room temperature control e.g. the actual temperature, heating/cooling status, ventilation, ...

The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:

- Display settings: temperature unit, brightness level, standby adjustment
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.
- Temperature sensor: Calibration and sending behavior

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Power on/off of the device, control mode/operation mode (to call with short/long button press), Fan speed, Temperature +/-, Function page, Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

HVAC settings: FCU or VRF controller, floor heating and ventilation.

FCU: Heating and/or cooling mode, room temperature can be taken as reference from the internal sensor, an external sensor or a combination of both. Implementation of a window contact. Setpoint adjustment.

VRF: Heating and/or cooling mode, dehumidification mode, fan mode, auto mode, fan speed adjustment, setpoint.

Floor heating: Setpoint, PI control, PWM or switching 2-point feedback control, setpoint adjustment

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function, support of CO2 sensor, monitoring of further sensors.

Note: Programmable with ETS5 and higher.

Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

Push-Buttons

Unica X



Unica X KNX push-button, 2 key



Version	Art. no.	
Metal		
■ Painted White	NUX6161_02_PW	New
■ Jet Black	NUX6161_02_JB	New
■ Dark Bronze	NUX6161_02_DB	New
■ Dark Grey	NUX6161_02_DG	New
■ Stainless Steel	NUX6161_02_SS	New
■ Antique Brass	NUX6161_02_AB	New

Unica X KNX Push-button with 2 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:

- Behavior and brightness of the status indicators
 - Night mode: LEDs light up with reduced brightness
- With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

2 programming options:

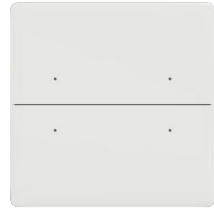
- Express settings: Calls up a pre-set configuration
Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.
- Extended settings: Individual configuration
Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

Note: Programmable with ETS5 and higher.

Push-Buttons

Unica X



Unica X KNX push-button, 4 key



Version	Art. no.
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Metal

<input type="checkbox"/>	Painted White	NUX6162_02_PW	New
<input checked="" type="checkbox"/>	Jet Black	NUX6162_02_JB	New
<input checked="" type="checkbox"/>	Dark Bronze	NUX6162_02_DB	New
<input checked="" type="checkbox"/>	Dark Grey	NUX6162_02_DG	New
<input checked="" type="checkbox"/>	Stainless Steel	NUX6162_02_SS	New
<input checked="" type="checkbox"/>	Antique Brass	NUX6162_02_AB	New

Unica X KNX Push-button with 4 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:

- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

2 programming options:

- Express settings: Calls up a pre-set configuration
Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.
- Extended settings: Individual configuration
Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

Note: Programmable with ETS5 and higher.

Push-Buttons

Unica X



Unica X KNX push-button, 6 key



Version	Art. no.
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Metal

<input type="checkbox"/>	Painted White	NUX6163_02_PW	New
<input checked="" type="checkbox"/>	Jet Black	NUX6163_02_JB	New
<input checked="" type="checkbox"/>	Dark Bronze	NUX6163_02_DB	New
<input checked="" type="checkbox"/>	Dark Grey	NUX6163_02_DG	New
<input checked="" type="checkbox"/>	Stainless Steel	NUX6163_02_SS	New
<input checked="" type="checkbox"/>	Antique Brass	NUX6163_02_AB	New

Unica X KNX Push-button with 6 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:

- Behavior and brightness of the status indicators
 - Night mode: LEDs light up with reduced brightness
- With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

2 programming options:

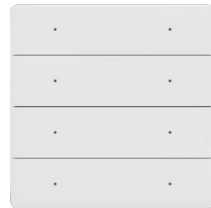
- Express settings: Calls up a pre-set configuration
Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.
- Extended settings: Individual configuration
Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

Note: Programmable with ETS5 and higher.

Push-Buttons

Unica X



Unica X KNX push-button, 8 key



Version

Art. no.

Metal

<input type="checkbox"/>	Painted White	NUX6164_02_PW	New
<input checked="" type="checkbox"/>	Jet Black	NUX6164_02_JB	New
<input checked="" type="checkbox"/>	Dark Bronze	NUX6164_02_DB	New
<input checked="" type="checkbox"/>	Dark Grey	NUX6164_02_DG	New
<input checked="" type="checkbox"/>	Stainless Steel	NUX6164_02_SS	New
<input checked="" type="checkbox"/>	Antique Brass	NUX6164_02_AB	New

Unica X KNX Push-button with 8 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:

- Behavior and brightness of the status indicators
 - Night mode: LEDs light up with reduced brightness
- With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

2 programming options:

- Express settings: Calls up a pre-set configuration
Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.
- Extended settings: Individual configuration
Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

Note: Programmable with ETS5 and higher.

Push-Buttons

Unica X



Unica X KNX push-button, 5 key thermostat



Version

Art. no.

Metal

<input type="checkbox"/>	Painted White	NUX6212_02_PW	New
<input checked="" type="checkbox"/>	Jet Black	NUX6212_02_JB	New
<input checked="" type="checkbox"/>	Dark Bronze	NUX6212_02_DB	New
<input checked="" type="checkbox"/>	Dark Grey	NUX6212_02_DG	New
<input checked="" type="checkbox"/>	Stainless Steel	NUX6212_02_SS	New
<input checked="" type="checkbox"/>	Antique Brass	NUX6212_02_AB	New

Unica X KNX Push-button with thermostat, display and 5 operating buttons with status indicators. With an integrated temperature sensor for temperature measurement. The thermostat supports Fan Coil Units (FCU), Variable Refrigerant Flow systems (VRF), floor heating systems and ventilation.

The display shows all relevant information for room temperature control e.g. the actual temperature, heating/cooling status, ventilation, ...

Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:

- Display settings: temperature unit, brightness level, standby adjustment
 - Behavior and brightness of the status indicators
 - Night mode: LEDs light up with reduced brightness
 - Proximity function: The LEDs are only activated and the functions only become visible when approached
 - Temperature sensor: Calibration and sending behavior
- With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Power on/off of the device, control mode/operation mode (to call with short/long button press), Fan speed, Temperature +/-, Function page, Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

HVAC settings: FCU or VRF controller, floor heating and ventilation.

FCU: Heating and/or cooling mode, room temperature can be taken as reference from the internal sensor, an external sensor or a combination of both. Implementation of a window contact. Setpoint adjustment.

VRF: Heating and/or cooling mode, dehumidification mode, fan mode, auto mode, fan speed adjustment, setpoint.

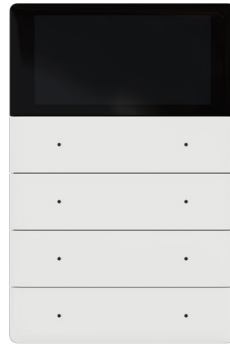
Floor heating: Setpoint, PI control, PWM or switching 2-point feedback control, setpoint adjustment

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function, support of CO2 sensor, monitoring of further sensors.

Note: Programmable with ETS5 and higher.

Push-Buttons

Unica X



Unica X KNX push-button, 8 key thermostat



Version	Art. no.
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Metal		
<input type="checkbox"/>	Painted White	NUX6214_02_PW New
<input checked="" type="checkbox"/>	Jet Black	NUX6214_02_JB New
<input checked="" type="checkbox"/>	Dark Bronze	NUX6214_02_DB New
<input checked="" type="checkbox"/>	Dark Grey	NUX6214_02_DG New
<input checked="" type="checkbox"/>	Stainless Steel	NUX6214_02_SS New
<input checked="" type="checkbox"/>	Antique Brass	NUX6214_02_AB New

Unica X KNX Push-button with thermostat, display and 8 operating buttons with status indicators. With an integrated temperature sensor for temperature measurement. The thermostat supports Fan Coil Units (FCU), Variable Refrigerant Flow systems (VRF), floor heating systems and ventilation.

The display shows all relevant information for room temperature control e.g. the actual temperature, heating/cooling status, ventilation, ...

Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:

- Display settings: temperature unit, brightness level, standby adjustment
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached
- Temperature sensor: Calibration and sending behavior

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

2 programming options:

- Express settings: Calls up a pre-set configuration
Power on/off of the device, control mode/operation mode (to call with short/long button press), Fan speed, Temperature +/-, Function page, Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes
- Extended settings: Individual configuration
Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

HVAC settings: FCU or VRF controller, floor heating and ventilation.

FCU: Heating and/or cooling mode, room temperature can be taken as reference from the internal sensor, an external sensor or a combination of both. Implementation of a window contact. Setpoint adjustment.

VRF: Heating and/or cooling mode, dehumidification mode, fan mode, auto mode, fan speed adjustment, setpoint.

Floor heating: Setpoint, PI control, PWM or switching 2-point feedback control, setpoint adjustment

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function, support of CO2 sensor, monitoring of further sensors.

Note: Programmable with ETS5 and higher.

Push-Buttons

New Unica

New Unica



KNX push-button single



Version	Art. no.
<input type="checkbox"/>	white NU553018
<input checked="" type="checkbox"/>	aluminium NU553030
<input checked="" type="checkbox"/>	anthracite NU553054

2 modules

In Unica design.

KNX-push-button with 1 rocker (2 buttons) and 2 blue status LEDs. The status LED is located under the symbol window which can be taken off.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.

Contents: With set of 10 symbols: 2x symbol with light opening, 1x symbol "1", 1x symbol "0", 2x symbol for dimming, 2x symbol for shutter, 2x symbol (neutral).
With bus connecting terminal.

KNX push-button double



Version	Art. no.
<input type="checkbox"/>	white NU553118
<input checked="" type="checkbox"/>	aluminium NU553130
<input checked="" type="checkbox"/>	anthracite NU553154

2 modules

In Unica design.

KNX-push-button with 2 rockers (4 buttons) and 4 blue status LEDs. The status LED is located under the symbol window which can be taken off.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.

Contents: With set of 20 symbols: 4x symbol with light opening, 2x symbol "1", 2x symbol "0", 4x symbol for dimming, 4x symbol for shutter, 4x symbol (neutral).
With bus connecting terminal.

Interfaces



SpaceLogic KNX, Secure, Push-Button Interface Basic, 2 channel



Version	Art. no.
2 channel	MTN6002-0002S New

This device is KNX Secure certified.
Generates an internal signal voltage for connecting potential free contacts like conventional push-buttons, Door/Window contacts, alarm contacts or floating contacts. Each channel is configurable as input or output for control of a low current LED (no series resistance required). The cores are 25 cm long and can be extended to max. 10 m. With integrated bus coupler. For installation in a conventional 60 mm switch box. The bus is connected using a bus connecting terminal.

KNX Secure compatible: The device supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.

KNX software functions: Switching, Priority control, dimming and colour temperature, RGB colour value / sequence (loop), Blind/Shutter, Value transmitter in 14 datatypes, Scene extension, Edge function, (2 objects), Short/Long operation, Temperature setpoint adjustment, Temperature controller operating mode, Channel function output (Object polarity NO/NC), Behaviour after bus recovery, Cyclical sending.

KNX power supply: 4...7 mA

Contact voltage: DC 3.3 V (SELV)

Output current/channel: Max. 3.3 mA

LED current/channel: max. 1.6 mA

Max. cable length: 25 cm unshielded, can be extended up to max. 10 m

Dimensions: approx. 43x28.5x15.6 mm (LxWxH)



SpaceLogic KNX, Secure, Push-Button Interface Basic, 4 channel



Version	Art. no.
4 channel	MTN6002-0004S New

This device is KNX Secure certified.
Generates an internal signal voltage for connecting potential free contacts like conventional push-buttons, Door/Window contacts, alarm contacts or floating contacts. Each channel is configurable as input or output for control of a low current LED (no series resistance required). The cores are 25 cm long and can be extended to max. 10 m. With integrated bus coupler. For installation in a conventional 60 mm switch box. The bus is connected using a bus connecting terminal.

KNX Secure compatible: The device supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.

KNX software functions: Switching, Priority control, dimming and colour temperature, RGB colour value / sequence (loop), Blind/Shutter, Value transmitter in 14 datatypes, Scene extension, Edge function, (2 objects), Short/Long operation, Temperature setpoint adjustment, Temperature controller operating mode, Channel function output (Object polarity NO/NC), Behaviour after bus recovery, Cyclical sending.

KNX power supply: 4...9 mA

Contact voltage: DC 3.3 V (SELV)

Output current/channel: Max. 3.3 mA

LED current/channel: max. 1.6 mA

Max. cable length: 25 cm unshielded, can be extended up to max. 10 m

Dimensions: approx. 43x28.5x15.6 mm (LxWxH)



SpaceLogic KNX, Secure, Push-Button Interface Basic, 8 channel



Version	Art. no.
8 channel	MTN6002-0008S New

This device is KNX Secure certified.
Generates an internal signal voltage for connecting potential free contacts like conventional push-buttons, Door/Window contacts, alarm contacts or floating contacts. Each channel is configurable as input or output for control of a low current LED (no series resistance required). The cores are 25 cm long and can be extended to max. 10 m. With integrated bus coupler. For installation in a conventional 60 mm switch box. The bus is connected using a bus connecting terminal.

KNX Secure compatible: The device supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.

KNX software functions: Switching, Priority control, dimming and colour temperature, RGB colour value / sequence (loop), Blind/Shutter, Value transmitter in 14 datatypes, Scene extension, Edge function, (2 objects), Short/Long operation, Temperature setpoint adjustment, Temperature controller operating mode, Channel function output (Object polarity NO/NC), Behaviour after bus recovery, Cyclical sending.

KNX power supply: 4...12 mA

Contact voltage: DC 3.3 V (SELV)

Output current/channel: Max. 3.3 mA

LED current/channel: max. 1.6 mA

Max. cable length: 25 cm unshielded, can be extended up to max. 10 m

Dimensions: approx. 43.5x35.5x15.6 mm (LxWxH)



SpaceLogic KNX, Secure, Push-Button Interface Pro, 8 channel



Version	Art. no.
8 channel	MTN6002-0108S New

This device is KNX Secure certified.
Generates an internal signal voltage for connecting potential free contacts like conventional push-buttons, Door/Window contacts, alarm contacts or floating contacts. Each channel is configurable as input or output for control of a low current LED (no series resistance required). The cores are 25 cm long and can be extended to max. 10 m. With integrated bus coupler. For installation in a conventional 60 mm switch box. The bus is connected using a bus connecting terminal.

KNX Secure compatible: The device supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.

KNX software functions: Switching, Priority control, dimming and colour temperature, RGB colour value / sequence (loop), Blind/Shutter, Value transmitter in 14 datatypes, Scene extension, Edge function, (2 objects), Short/Long operation, Temperature setpoint adjustment, Temperature controller operating mode, Channel function output (Object polarity NO/NC), Behaviour after bus recovery, Cyclical sending, Timer function in logic function, Pulse counter (main and intermediate), Temperature sensor function, Windows/door with 2 contacts (combine 2 channels), simplified configuration for combined channels. Logic module with: AND, OR, XOR (plus inversions), AND with feedback, Converter (1bit -> 1byte), Time delay and filter, Comparator (1, 2, 4 byte DPTs), Limit value switch with hysteresis.

KNX power supply: 5...18 mA

Contact voltage: DC 5 V (SELV)

Output current/channel: Max. 3.2 mA

LED current/channel: max. 2x NTC 33 kΩ at 25 °C

Temperature sensor input: max. 2.2 mA

Max. cable length: 25 cm unshielded, can be extended up to max. 30 m

Dimensions: approx. 43.5x35.5x15.6 mm (LxWxH)

Accessories: Temperature sensor 616790 Merten brand

Push-Buttons

Interfaces



Push-button interface, 2-gang plus



Version	Art. no.
polar white	MTN670802 Discontinued

Generates an internal signal voltage for connecting two conventional push-buttons or floating contacts, and for direct connecting two low-current LEDs. The cores are 30 cm long and can be extended to max. 7.5 m. For installation in a conventional 60 mm switch box.

KNX software functions: Switching, dimming or controlling blinds via 1 or 2 inputs, position values for blind control (8-bit), pulse edges with 1-, 2-, 4-, or 8-bit telegrams, differentiation between short and long activation, initialisation telegram, cyclical transmission, pulse edges with 2-byte telegrams, 8-bit linear regulator, scenes, counter, disable function, break contact/ make contact, debounce time. Outputs for connecting control lamps (low-current LEDs) for the status display.

For each input/output object type:

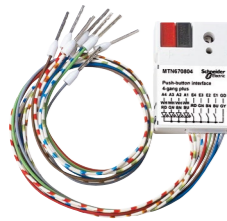
Contact voltage: < 3 V (SELV)

Contact current: < 0.5 mA

Output current: max. 2 mA

Max. cable length: 30 cm unshielded, can be extended up to max. 7.5 m with twisted unshielded cable.

Dimensions: approx. 40x30.5x12.5 mm (LxWxH)



Push-button interface, 4-gang plus



Version	Art. no.
polar white	MTN670804 Discontinued

Generates an internal signal voltage for connecting four conventional push-buttons or floating contacts, and for direct connecting four low-current LEDs. The cores are 30 cm long and can be extended to max. 7.5 m. For installation in a conventional 60 mm switch box.

KNX software functions: Switching, dimming or controlling blinds via 1 or 2 inputs, position values for blind control (8-bit), pulse edges with 1-, 2-, 4-, or 8-bit telegrams, differentiation between short and long activation, initialisation telegram, cyclical transmission, pulse edges with 2-byte telegrams, 8-bit linear regulator, scenes, counter, disable function, break contact/ make contact, debounce time. Outputs for connecting control lamps (low-current LEDs) for the status display.

For each input/output object type:

Contact voltage: < 3 V (SELV)

Contact current: < 0.5 mA

Output current: max. 2 mA







Max. cable length: 30 cm unshielded, can be extended up to max. 7.5 m with twisted unshielded cable.

Dimensions: approx. 40x30.5x12.5 mm (LxWxH)

Push-Buttons

Interfaces

Binary Inputs Overview

	SpaceLogic KNX Binary input REG-K/x10		SpaceLogic KNX Binary input REG-K/x24		SpaceLogic KNX Binary input REG-K/x230	
						
Article number	MTN644492	MTN644592	MTN644892	MTN644792	MTN644992	MTN644692
Number of channels	4	8	4	8	4	8
Outputs	—	—	—	—	—	—
Device width	2.5 modules	4 modules	2.5 modules	4 modules	2,5 modules	4 modules
Use cases	Connection of conventional push-buttons or floating contacts		Connection of conventional devices with AC / DC 24 V outputs, for example, window contacts, wind sensors, glass break sensors		Connection of conventional devices with AC 230 V outputs	
Installation site	Cabinet		Cabinet		Cabinet	
Connecting terminal	Plug-in screw terminals		Plug-in screw terminals		Plug-in screw terminals	
Internally generated voltage	■		—		—	
Input voltage / Contact voltage	— / 10 V		AC/DC 24 V / —		AC 230 V / —	
Input current / Contact current	— / 2 mA		AC 6 mA, DC 15 mA / —		AC 12 mA / —	
Thresholds	—		0 signal: ≤ 5 V 1 signal: ≥11 V		0 signal: ≤ 40 V 1 signal: ≥160 V	
Maximum line length	50 m		100 m		100 m	
Software						
Toggle	■		■		■	
Switching	■		■		■	
Dimming (via one/two inputs)	■		■		■	
Blind (via one/two inputs)	■		■		■	
Blind with position values	■		■		■	
Edges (1 bit, 2 bit, 4 bit, 1 byte, 2 byte)	■		■		■	
Edges (1 bit, 2 bit, 4 bit, 1 byte, 2 byte) short and long operation	■		■		■	
8 bit slider	■		■		■	
Scenes	■		■		■	
Pulse counter	■		■		■	
Switch counter	■		■		■	
Reset counter	■		■		■	
Cyclical sending (1 bit, 2 bit, 1 byte)	■		■		■	
Locking function for each channel	■		■		■	
Locking function	■		■		■	
■ Adjustable for each channel	■		■		■	
■ All channels follow the function of a master channel	■		■		■	

Binary Inputs



SpaceLogic KNX Binary input REG-K/4x10



Version	Art. no.
light grey	MTN644492

For connecting four conventional push-buttons or floating contacts to the KNX. Internally generates a signal voltage SELV, electrically isolated from the bus. With integrated bus coupler and plug-in screw terminals. The input voltage level is displayed at each input with a yellow LED. A green LED indicates that the device is ready for operation once the application has been loaded. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software functions: Switching, dimming or blind control via 1 or 2 inputs. Positioning values for blind control (8-bit). Pulse edges with 1-, 2-, 4-, or 8-bit telegrams. Differentiation between short/long operation. Initialisation telegram. Cyclical sending. Pulse edges with 2-byte telegrams. 8-bit linear regulator. Disable function. Break/make contact. Debounce time.

Inputs: 4
Contact voltage: max. 10 V, clocked
Contact current: max. 2 mA, pulsing
Cable length: max. 50 m
Device width: 2.5 modules = approx. 45 mm
Contents: With bus connecting terminal and cable cover.



SpaceLogic KNX Binary input REG-K/8x10



Version	Art. no.
light grey	MTN644592

For connecting eight conventional push-buttons or floating contacts to the KNX. Internally generates a signal voltage SELV, electrically isolated from the bus. With integrated bus coupler and plug-in screw terminals. The input voltage level is displayed at each input with a yellow LED. A green LED indicates that the device is ready for operation once the application has been loaded. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software functions: Switching, dimming or blind control via 1 or 2 inputs. Positioning values for blind control (8-bit). Pulse edges with 1-, 2-, 4-, or 8-bit telegrams. Differentiation between short/long operation. Initialisation telegram. Cyclical sending. Pulse edges with 2-byte telegrams. 8-bit linear regulator. Disable function. Break/make contact. Debounce time.

Inputs: 8
Contact voltage: max. 10 V, clocked
Contact current: max. 2 mA, pulsing
Cable length: max. 50 m
Device width: 4 modules = approx. 70 mm
Contents: With bus connecting terminal and cable cover.



SpaceLogic KNX Binary input REG-K/4x24



Version	Art. no.
light grey	MTN644892

For connecting four conventional devices with AC/DC 24 V outputs to the KNX. With integrated bus coupler and plug-in screw terminals. The input voltage level is displayed at each input with a yellow LED. A green LED indicates that the device is ready for operation once the application has been loaded. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software functions: Switching, dimming or blind control via 1 or 2 inputs. Positioning values for blind control (8-bit). Pulse edges with 1-, 2-, 4-, or 8-bit telegrams. Differentiation between short/long operation. Initialisation telegram. Cyclical sending. Pulse edges with 2-byte telegrams. 8-bit linear regulator. Disable function. Break/make contact. Debounce time.

Input voltage: AC / DC 24 V
Inputs: 4
Input current: DC 15 mA (30 V), AC 6 mA (27 V)
0 signal: ≤ 5 V
1 signal: ≥ 11 V
Cable length: max. 100 m
Device width: 2.5 modules = approx. 45 mm
Accessories: SpaceLogic KNX Power supply REG, 24 V DC / 0.4 A MTN693003, SpaceLogic KNX Power supply REG, AC 24 V/1 A MTN663529
Contents: With bus connecting terminal and cable cover.



SpaceLogic KNX Binary input REG-K/8x24



Version	Art. no.
light grey	MTN644792

For connecting eight conventional devices with AC/DC 24 V outputs to KNX. With integrated bus coupler and plug-in screw terminals. The input voltage level is displayed at each input with a yellow LED. A green LED indicates that the device is ready for operation once the application has been loaded. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software functions: Switching, dimming or blind control via 1 or 2 inputs. Positioning values for blind control (8-bit). Pulse edges with 1-, 2-, 4-, or 8-bit telegrams. Differentiation between short/long operation. Initialisation telegram. Cyclical sending. Pulse edges with 2-byte telegrams. 8-bit linear regulator. Disable function. Break/make contact. Debounce time.

Input voltage: AC/DC 24V
Inputs: 8
Input current: DC approx. 15 mA/AC approx. 6 mA
Line length: max. 100 m
Device width: 4 modules = approx. 72 mm
Accessories: SpaceLogic KNX Power supply REG, 24 V DC / 0.4 A MTN693003, SpaceLogic KNX Power supply REG, AC 24 V/1 A MTN663529
Contents: With bus connecting terminal and cable cover.



SpaceLogic KNX Binary input REG-K/4x230



Version	Art. no.
light grey	MTN644992

For connecting four conventional devices with AC 230 V outputs to the KNX.
With integrated bus coupler and plug-in screw terminals.

The input voltage level is displayed at each input with a yellow LED. A green LED indicates that the device is ready for operation once the application has been loaded.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software functions: Switching, dimming or blind control via 1 or 2 inputs. Positioning values for blind control (8-bit). Pulse edges with 1-, 2-, 4-, or 8-bit telegrams. Differentiation between short/long operation. Initialisation telegram. Cyclical sending. Pulse edges with 2-byte telegrams. 8-bit linear regulator. Disable function. Break/make contact. Debounce time.

Input voltage: AC 230 V, 50-60Hz

Inputs: 4

Input current: AC 12 mA

0 signal: ≤ 40 V

1 signal: ≥ 160 V

Cable length: max. 100 m

Device width: 2.5 modules = approx. 45 mm

Contents: With bus connecting terminal and cable cover.



SpaceLogic KNX Binary input REG-K/8x230



Version	Art. no.
light grey	MTN644692

For connecting eight conventional devices with AC 230 V outputs to the KNX.
With integrated bus coupler and plug-in screw terminals.

The input voltage level is displayed at each input with a yellow LED. A green LED indicates that the device is ready for operation once the application has been loaded.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software functions: Switching, dimming or blind control via 1 or 2 inputs. Positioning values for blind control (8-bit). Pulse edges with 1-, 2-, 4-, or 8-bit telegrams. Differentiation between short/long operation. Initialisation telegram. Cyclical sending. Pulse edges with 2-byte telegrams. 8-bit linear regulator. Disable function. Break/make contact. Debounce time.

Input voltage: AC 230V, 50-60Hz

Inputs: 8









Input current: AC approx. 7 mA

Line length: max. 100 m

Device width: 4 modules = approx. 72 mm

Contents: With bus connecting terminal and cable cover.

Movement/Presence Detector Overview

	KNX ARGUS Presence Basic	KNX ARGUS Presence	KNX ARGUS Presence with light control and IR receiver		KNX Presence detector DI	KNX ARGUS Presence 180/2,20 m, flush-mounted	KNX ARGUS 180/2,20 m, flush-mounted	KNX ARGUS 180, flush-mounted	KNX ARGUS 220
Article number	 MTN630719	 MTN6308..	 MTN6309..		 MTN6300-0019	 MTN6304.., MTN6306..	 MTN6317.., MTN6327..	 MTN6316.., MTN6326..	 MTN6325..
Design	—	—	—		—	System M MTN6302-60.. System D	System M	System M	—
Use cases (examples)	Offices, waiting rooms Lighting, heating control	Large offices, waiting rooms, classrooms, private areas, public buildings Lighting, blinds, heating control	Large offices, waiting rooms, classrooms, private areas, public buildings Lighting, blinds, heating control, constant light control		Offices, waiting rooms, corridors Lighting control	Large offices, waiting rooms, classrooms, private areas, public buildings Lighting, blinds, heating control	Corridors, private areas, public buildings Lighting, blinds, heating control	Corridors, private areas, public areas with limited access Lighting, blinds, heating control	Entrance areas, patios, garages, large-scale indoor areas where devices with a protection type higher IP20 are required (working rooms, wellness centres, ...) Lighting
Installation site	Ceiling mounting, indoor	Ceiling mounting, indoor	Ceiling mounting, indoor		False ceiling mounting, indoor	Flush mounting, indoor	Flush mounting, indoor	Flush mounting, indoor	Surface mounting, outdoor, indoor
Protection type	IP 20	IP 20	IP 20		IP 20	IP 20	IP 20	IP 20	IP 55
Recommended mounting height	2.5 m	2.5 m	2.5 m		2.5 m	2.2 m oder 1.1 m (halved range)	2.2 m oder 1.1 m (halved range)	1.10 m	2.5 m
Angle of detection	360°	360°	360°		360°	180°	180°	180°	220°, adjustable lense
Range (right, left / front)	7 m radius	7 m radius	7 m radius		4.5 m radius	8 m right/left, 12 m to the front	8 m right/left, 12 m to the front	8 m radius	14 m right/left, 16 m to the front
Number of levels	6	6	6		3	6	6	1	7
Number of zones	136	136	136		39	46	46	14	112
Number of switching segments	544	544	544		167	—	—	—	448
Number of movement sensors	4	4	4		2	2	2	1	1
Light sensor	10-2000 Lux	10-2000 Lux	10-2000 Lux		10-2000 Lux	10-2000 Lux	10-2000 Lux	10-2000 Lux	3-2000 Lux
Staircase timer adjustable on the device	—	—	—		—	1 s - 8 min	1 s - 8 min	1 s - 8 min	1 s - 8 min
Staircase timer adjustable in the ETS	1 s - 255 h	1 s - 255 h	1 s - 255 h		3 s, 1 min - 255 min	1 s - 255 h	1 s - 255 h	1 s - 255 h	1 s - 255 h
Software									
Light regulation for a permanent desired brightness	—	—	■		—	—	—	—	—
Number of movement/presence blocks	2	5	5+1 (1 for light control)		2	5	5	5	5
Number of functions per block	4	4	4		1	4	4	4	4
Functions per block	■ ■ ■ ■ ■ ■ ■ ■ ■ ■ —	■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■		■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■
Brightness value correction	—	■	■		—	■	■	■	—
Cyclical sending of the determined brightness value	■	■	■		■	■	—	—	—
Cyclical sending of brightness value via 2 bytes object	■	■	■		■	■	■	■	■
Brightness threshold adjustable via object	—	■	■		■	■	—	—	—
Primary/Secondary function	—	■	■		■	■	■	■	■
Monitoring function (cyclical sending)	—	■	■		—	■	■	■	■
Dead time adjustable (noise reduction)	—	—	—		—	—	■	■	■
IR receiver up to 10 channels	—	—	■		—	—	—	—	—
■ IR functions with KNX telegrams	—	—	■		—	—	—	—	—
■ Configuration of brightness treshold, staircase timer and range	—	—	■		—	—	—	—	—

Movement Detectors

Outdoor

Outdoor



KNX ARGUS 220



Version	Art. no.
polar white	MTN632519
dark brazil	MTN632515
aluminium	MTN632569

KNX movement detector for outdoors. 220° surface monitoring for large house fronts and sections of the house. With integrated bus coupler. The physical address is programmed with a magnet.

- 360° short-range zone (approx. 4 m radius).
- Large wiring compartment and plug system.
- Looping is possible.
- LED function display for fast alignment at the installation site.
- Operating elements are protected under the easily accessible cover plate.
- Flexibly adjustable sensor head.
- Possible to blank out individual lens areas.

Can be installed on walls and ceilings without additional accessories. Can be mounted on inner/outer corners and stationary pipes using a mounting bracket.

KNX software functions: Five movement blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.

Normal operation, master, slave, safety pause, disable function. Sensitivity, brightness and staircase timer can be set using the ETS or the potentiometer. Self-adjusting staircase timer.

Angle of detection: 220°

Range: max. 16 m

Number of levels: 7

Number of zones: 112 with 448 switching segments

Light sensor: infinitely variable from approx. 3 - 1000 lux, ∞ lux (infinite: movement detection is independent of the position of the sensor head)

Time: can be set externally from 1 s to approx. 8 min. in 6 levels or via ETS from approx. 3 s to approx. 152 hours

Sensitivity: infinitely adjustable

Possible settings for sensor head:

Wall mounting: 9° up, 24° down, 12° left/right, ±12° axial

Ceiling mounting: 4° up, 29° down, 25° left/right, ±8.5° axial

EC directives: Low-voltage guideline 2006/95/EC and EMC directive 2004/108/EC

Type of protection: IP 55

Accessories: Mounting bracket MTN565291

Contents: With cover plate and segments to limit the area of detection, screws and plugs.

Movement Detectors

System M

System M



KNX ARGUS 180/2.20 m flush-mounted



Version	Art. no.
<input type="checkbox"/> polar white, glossy	MTN631719
<input checked="" type="checkbox"/> anthracite	MTN632714

For System M.

Indoor movement detector with anti-crawl protection.

When a movement is detected, a data telegram defined by the programming is transmitted. With integrated bus coupling unit. For wall mounting in a size 60 mounting box, optimal installation at 2.2 m.

KNX software functions: Five movement blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.

Normal operation, master, slave, safety pause, disable function. Sensitivity, brightness and staircase timer can be set using the ETS or the potentiometer. Two movement sensors: the sensitivity and range can be set separately for each sensor. Self-adjusting staircase timer.

Angle of detection: 180°

Range: 8 m right/left, 12 m to the front (for a mounting height of 2.20 m)

Mounting height: 2.2 m or 1.1 m with half the range

Number of levels: 6

Number of zones: 46

Number of movement sensors: 2, sector-orientated, adjustable

Sensitivity: infinitely adjustable (ETS or potentiometer)

Light sensor: infinitely adjustable from approx. 10 to 2000 Lux (ETS or potentiometer)

Time: adjustable in steps from 1 s to 8 min (potentiometer) or adjustable from 1 s to 255 hours (ETS)

EC Directives: Low-voltage guideline 2006/95/EC and EMC guideline 2004/108/EC

Contents: With bus connecting terminal and supporting plate.

With cover segments to limit the area of detection.

Movement Detectors

System D

System D



KNX ARGUS Presence 180/2.20 m flush-mounted



Version	Art. no.
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Thermoplastic

<input type="checkbox"/> lotus white	MTN6302-6035
<input checked="" type="checkbox"/> anthracite	MTN6302-6034
<input type="checkbox"/> sahara	MTN6302-6033
<input type="checkbox"/> stainless steel	MTN6302-6036
<input type="checkbox"/> nickel metallic	MTN6302-6050
<input type="checkbox"/> champagne metallic	MTN6302-6051
<input type="checkbox"/> mocca metallic	MTN6302-6052

For System D.

Presence detection indoors.

If KNX ARGUS Presence detects smaller movements in the room, data telegrams are transmitted via KNX to control the lighting, blind or heating at the same time.

When the lighting is controlled by brightness-dependent movement detection, the device constantly monitors the brightness in the room. If sufficient natural light is at hand, the device switches the artificial light off even if a person is present. The overshoot time can be adjusted using the ETS.

With integrated bus coupling unit. For wall mounting in a size 60 mounting box, optimal installation at 2.2 m. With anti-crawl protection.

KNX software functions: Five movement/presence blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.

Normal operation, master, slave, monitoring, safety pause, disable function. Two movement sensors: the sensitivity and range can be set separately for each sensor. Self-adjusting staircase timer. Actual brightness value: can be detected via the internal and/or an external light sensor. Actual value correction.

Angle of detection: 180°

Range: 8 m right/left, 12 m to the front (for a mounting height of 2.20 m)

Mounting height: 2.2 m or 1.1 m at half the range

Time: adjustable in steps from 1 s to 8 min (potentiometer) or adjustable from 1 s to 255 hours (ETS)

Number of levels: 6

Number of zones: 46

Number of movement sensors: 2, separately adjustable

Light sensor: internal light sensor infinitely adjustable from approx. 10 to 2000 Lux (ETS); external light sensor via KNX

EC Directives: Low-voltage guideline 2006/95/EC and EMC guideline 2004/108/EC

Accessories: Fixing frame for 3-module box MTN6270-0015

D-Life frame, 1-gang, for 3-module box MTN6010-65xx

Contents: With bus connecting terminal and supporting plate.

With cover segments to limit the area of detection.

Presence Detectors

Design-Independent

Design-Independent



SpaceLogic KNX Presence detector DI



Version	Art. no.
white	MTN6300-0019

For the Gulf market.

KNX presence detector for installation in false ceilings. The device detects the presence of persons even with small movements and is used to control 2 channels.

With 2 input channels for connecting push-buttons with which the lighting can be switched on/off or dimmed. The presence detector can be used as a single detector or in primary/secondary mode.

The detector is mounted with a retaining spring in a round aperture (diameter 68 mm) in a suspended ceiling (e.g. plasterboard). The minimum installation depth is 67 mm.

Functions of the KNX software:

Primary/secondary mode: in secondary mode, the detector is used only for motion detection.

In primary mode the detector can be set in Auto mode, Semi-auto mode or Test mode.

Auto mode (presence): during the delay time, if the ambient brightness is higher than the set lux value for 5 minutes, the load will be switched off regardless of motion detection.

Semi-auto mode: An initial press on a push-button is required to switch on the load.

Test mode: fix delay time of 3 seconds for each movement detection.

Supply voltage: KNX bus voltage

Bus current: approx. 10 mA

Number of channels: 2

Binary inputs: 2, cable length max. 100 m, cross section 1.0-2.5 mm²

Mounting height: 2 m ... 3 m (optimal 2.5 m)

Detection range: 360°, Ø 9 m at 2.5 m mounting height

Function modes: Auto (presence), semi auto (absence), test

Sensitivity: adjustable

Detection brightness: 10 ... 2000 Lux

Time setting: 3 s, 1 min - 255 min

Protection type: IP20

Dimensions: 99.2 x 74.1 mm (Ø x H)

Presence Detectors

Design-Independent



KNX High Bay presence detector FM



Version	Art. no.
white	MTN6304-0019

KNX presence detector for flush-mounted installation in rooms with high ceilings, e.g. high-bay warehouses or sports halls.

The presence detector detects the presence of persons even in the case of small movements. Control of the lighting is carried out dependent on movement (2 channels) or additionally dependent on brightness (1 channel) via KNX telegrams. If there is sufficient daylight, the lighting is switched off or adapted to a detection brightness (constant light regulation).

Devices for heating, ventilation or air conditioning (HVAC) can also be controlled (1 channel). The presence detector has two detection sensors (passive infrared), a brightness sensor, an IR receiver and an LED to indicate a detected movement, in test mode indication of the activated programming mode.

The presence detector can be used as a single detector or in master-slave mode. The setting is carried out in the ETS.

The presence detector can also be set and tested without the ETS, but with the appropriate remote control (available as an accessory).

Indoor installation on ceiling (IP 20) on flush-mounted housing with two screws.

Optionally, a protective metal basket (available as an accessory) can be installed to protect the lens.

KNX software functions: Movement detection: The detected presence of a person is signalled using a KNX telegram. Lighting control: The room lighting is controlled depending on movement and brightness. If there is sufficient daylight, the lighting is switched off or dimmed to a constant level. Basic lighting: Activates basic lighting after the overtravel time has elapsed, either for a limited time or dependent on the brightness. HVAC control: Devices for heating, ventilation, air conditioning (HVAC) are switched from energy-saving mode to comfort mode dependent on movement. Operating modes: Single detector, Master, Slave, Master in parallel operation. Master: Controls the lighting and HVAC system. Additional detectors as slaves increase the area of detection. Slave: Only detects movement in its area and sends the information to the master. Master in parallel operation: Controls the lighting in its area (can be expanded with additional detectors as slaves). The only master in the installation only controls the HVAC system for the entire area. 2 logic gates

Angle of detection: 360°

Opening angle: 180°

Range: Radius of max. 18 m (tangential)

Mounting height: 4 - 14 m

Optimal mounting height: 12 m

Time setting: 60 s - 255 min.

Sensors: 2 x passive infrared

Number of zones: 1416

Detection brightness: internal light sensor adjustable from approx. 2 to 1000 Lux

IP protection rating: IP 20

EC guidelines: Low voltage directive 2006/95/EC and EMC directive 2004/108/EC

Dimensions: 124 x 78 mm (Ø x H)

Accessories: Remote control for KNX presence detector MTN6300-0002

Presence Detectors

Design-Independent



KNX Corridor presence detector FM



Version	Art. no.
white	MTN6305-0019

KNX presence detector for flush-mounted installation in long corridors.

The presence detector detects the presence of persons even in the case of small movements. Control of the lighting is carried out dependent on movement (2 channels) or additionally dependent on brightness (1 channel) via KNX telegrams. If there is sufficient daylight, the lighting is switched off or adapted to a detection brightness (constant light regulation).

Devices for heating, ventilation or air conditioning (HVAC) can also be controlled (1 channel). The presence detector has two detection sensors (passive infrared), a brightness sensor, an IR receiver and an LED to indicate a detected movement, in test mode indication of the activated programming mode.

The presence detector can be used as a single detector or in master-slave mode. The setting is carried out in the ETS.

The presence detector can also be set and tested without the ETS, but with the appropriate remote control (available as an accessory).

Indoor installation on ceiling (IP 20) on flush-mounted housing with two screws.

Optionally, a protective metal basket (available as an accessory) can be installed to protect the lens.

KNX software functions: Movement detection: The detected presence of a person is signalled using a KNX telegram. Lighting control: The room lighting is controlled depending on movement and brightness. If there is sufficient daylight, the lighting is switched off or dimmed to a constant level. Basic lighting: Activates basic lighting after the overtravel time has elapsed, either for a limited time or dependent on the brightness. HVAC control: Devices for heating, ventilation, air conditioning (HVAC) are switched from energy-saving mode to comfort mode dependent on movement. Operating modes: Single detector, Master, Slave, Master in parallel operation. Master: Controls the lighting and HVAC system. Additional detectors as slaves increase the area of detection. Slave: Only detects movement in its area and sends the information to the master. Master in parallel operation: Controls the lighting in its area (can be expanded with additional detectors as slaves). The only master in the installation only controls the HVAC system for the entire area. 2 logic gates

Angle of detection: 360°

Opening angle: 45°

Range: max. 20 x 4 m (tangential)

max. 12 x 4 m (radial)

Mounting height: 2.5 - 5 m

Optimal mounting height: 2.8 m

Time setting: 60 s - 255 min.

Sensors: 2 x passive infrared

Number of zones: 280

Detection brightness: internal light sensor adjustable from approx. 2 to 1000 Lux

Protection rating: IP 20

EC Directives: Low voltage directive 2006/95/EC and EMC directive 2004/108/EC

Dimensions: 124 x 78 mm (Ø x H)

Accessories: Remote control for KNX presence detector MTN6300-0002

Presence Detectors

Design-Independent



KNX High Bay presence detector



Version	Art. no.
white	MTN6354-0019

KNX presence detector for surface-mounted installation in rooms with high ceilings, e.g. high-bay warehouses or sports halls. The presence detector detects the presence of persons even in the case of small movements. Control of the lighting is carried out dependent on movement (2 channels) or additionally dependent on brightness (1 channel) via KNX telegrams. If there is sufficient daylight, the lighting is switched off or adapted to a detection brightness (constant light regulation). Devices for heating, ventilation or air conditioning (HVAC) can also be controlled (1 channel). The presence detector has two detection sensors (passive infrared), a brightness sensor, an IR receiver and an LED to indicate a detected movement, in test mode indication of the activated programming mode. The presence detector can be used as a single detector or in master-slave mode. The setting is carried out in the ETS. The presence detector can also be set and tested without the ETS, but with the appropriate remote control (available as an accessory). Indoor installation on ceiling (IP 54) with surface-mounted housing with two screws and plugs.

Optionally, a protective metal basket (available as an accessory) can be installed to protect the lens.

KNX software functions: Movement detection: The detected presence of a person is signalled using a KNX telegram. Lighting control: The room lighting is controlled depending on movement and brightness. If there is sufficient daylight, the lighting is switched off or dimmed to a constant level. Basic lighting: Activates basic lighting after the overtravel time has elapsed, either for a limited time or dependent on the brightness. HVAC control: Devices for heating, ventilation, air conditioning (HVAC) are switched from energy-saving mode to comfort mode dependent on movement. Operating modes: Single detector, Master, Slave, Master in parallel operation. Master: Controls the lighting and HVAC system. Additional detectors as slaves increase the area of detection. Slave: Only detects movement in its area and sends the information to the master. Master in parallel operation: Controls the lighting in its area (can be expanded with additional detectors as slaves). The only master in the installation only controls the HVAC system for the entire area. 2 logic gates

Angle of detection: 360°

Opening angle: 180°

Range: Radius of max. 18 m (tangential)

Mounting height: 4 - 14 m

Optimal mounting height: 12 m

Time setting: 60 s - 255 min.

Sensors: 2 x passive infrared

Number of zones: 1416

Detection brightness: internal light sensor adjustable from approx. 2 to 1000 Lux

Protection rating: IP 54

EC Directives: Low voltage directive 2006/95/EC and EMC directive 2004/108/EC

Dimensions: 124 x 65 mm (Ø x H)

Accessories: Remote control for KNX presence detector MTN6300-0002

Presence Detectors

Design-Independent



KNX Corridor presence detector



Version	Art. no.
white	MTN6355-0019

KNX presence detector for surface-mounted installation in long corridors. The presence detector detects the presence of persons even in the case of small movements. Control of the lighting is carried out dependent on movement (2 channels) or additionally dependent on brightness (1 channel) via KNX telegrams. If there is sufficient daylight, the lighting is switched off or adapted to a detection brightness (constant light regulation). Devices for heating, ventilation or air conditioning (HVAC) can also be controlled (1 channel). The presence detector has two detection sensors (passive infrared), a brightness sensor, an IR receiver and an LED to indicate a detected movement, in test mode indication of the activated programming mode. The presence detector can be used as a single detector or in master-slave mode. The setting is carried out in the ETS. The presence detector can also be set and tested without the ETS, but with the appropriate remote control (available as an accessory). Indoor installation on ceiling (IP 54) with surface-mounted housing with two screws and plugs.

Optionally, a protective metal basket (available as an accessory) can be installed to protect the lens.

KNX software functions: Movement detection: The detected presence of a person is signalled using a KNX telegram. Lighting control: The room lighting is controlled depending on movement and brightness. If there is sufficient daylight, the lighting is switched off or dimmed to a constant level. Basic lighting: Activates basic lighting after the overtravel time has elapsed, either for a limited time or dependent on the brightness. HVAC control: Devices for heating, ventilation, air conditioning (HVAC) are switched from energy-saving mode to comfort mode dependent on movement. Operating modes: Single detector, Master, Slave, Master in parallel operation. Master: Controls the lighting and HVAC system. Additional detectors as slaves increase the area of detection. Slave: Only detects movement in its area and sends the information to the master. Master in parallel operation: Controls the lighting in its area (can be expanded with additional detectors as slaves). The only master in the installation only controls the HVAC system for the entire area. 2 logic gates

Angle of detection: 360°

Opening angle: 45°

Range: max. 20 x 4 m (tangential)

max. 12 x 4 m (radial)

Mounting height: 2.5 - 5 m

Optimal mounting height: 2.8 m

Time setting: 60 s - 255 min.

Sensors: 2 x passive infrared

Number of zones: 280

Detection brightness: internal light sensor adjustable from approx. 2 to 1000 Lux

Protection rating: IP 54

EC Directives: Low voltage directive 2006/95/EC and EMC directive 2004/108/EC

Dimensions: 124 x 65 mm (Ø x H)

Accessories: Remote control for KNX presence detector MTN6300-0002

Presence Detectors

Design-Independent



KNX Mini presence detector



Version	Art. no.
white	MTN6303-0019

KNX presence detector for inconspicuous installation in suspended ceilings. The presence detector detects the presence of persons even in the case of small movements. Control of the lighting is carried out dependent on movement (4 channels) or additionally dependent on brightness (1 channel) via KNX telegrams. If there is sufficient daylight, the lighting is switched off or adapted to a detection brightness (constant light regulation). Devices for heating, ventilation or air conditioning (HVAC) can also be controlled (1 channel). The presence detector has four detection sensors (passive infrared), a brightness sensor, an IR receiver and an LED to indicate a detected movement, in test mode indication of the activated programming mode. The presence detector can be used as a single detector or in master-slave mode. The setting is carried out in the ETS. The presence detector can also be set and tested without the ETS, but with the appropriate remote control (available as an accessory). Indoor installation in suspended ceilings The detector is installed with a retainer spring in a circular aperture (diameter 35 mm) in a suspended ceiling (e.g. plasterboard). The minimum installation depth is 65 mm.

KNX software functions: Movement detection: The detected presence of a person is signalled using a KNX telegram. Lighting control: The room lighting is controlled depending on movement and brightness. If there is sufficient daylight, the lighting is switched off or dimmed to a constant level. Basic lighting: Activates basic lighting after the overtravel time has elapsed, either for a limited time or dependent on the brightness. HVAC control: Devices for heating, ventilation, air conditioning (HVAC) are switched from energy-saving mode to comfort mode dependent on movement. Operating modes: Single detector, Master, Slave, Master in parallel operation. Master: Controls the lighting and HVAC system. Additional detectors as slaves increase the area of detection. Slave: Only detects movement in its area and sends the information to the master. Master in parallel operation: Controls the lighting in its area (can be expanded with additional detectors as slaves). The only master in the installation only controls the HVAC system for the entire area. 2 logic gates

Angle of detection: 360°
Range: max. 6 x 6 m (tangential)
max. 4 x 4 m (radial)
Mounting height: 2 - 5 m
Optimal mounting height: 2.8 m
Time setting: 60 s - 255 min.
Sensors: 4 x passive infrared
Detection brightness: internal light sensor adjustable from approx. 2 to 1000 Lux
IP protection rating: IP 20
EC guidelines: Low voltage directive 2006/95/EC and EMC directive 2004/108/EC
Dimensions: 43 x 71 mm (Ø x H)
Accessories: Remote control for KNX presence detector MTN6300-0002

Presence Detectors

Design-Independent



Remote control for KNX presence detector



Version	Art. no.
	MTN6300-0002

IR remote control for operating and setting KNX presence detectors. The IR remote control can be used to carry out the following functions and settings:



- Activation of KNX programming mode
- Selecting test modes
- Starting and ending test mode
- Calibrating brightness measurement
- Setting the brightness value
- Setting the lighting overtravel time
- Setting switch-on delay for HVAC
- Setting the basic lighting duration

To be completed with: KNX High Bay presence detector FM
KNX Präsenz Halle AP MTN6354-0019
KNX Corridor presence detector FM MTN6305-0019
KNX Präsenz Korridor AP MTN6355-0019
KNX Mini presence detector
MTN6303-0019

Presence Detectors

Design-Independent




KNX ARGUS Presence Basic		KNX ARGUS Presence	
			
Version	Art. no.	Version	Art. no.
polar white	MTN630719	polar white	MTN630819
<p>Presence detection indoors. If KNX ARGUS Presence detects smaller movements in the room, data telegrams are transmitted via KNX to control the lighting, blind or heating at the same time. When the lighting is controlled by brightness-dependent movement detection, the device constantly monitors the brightness in the room. If sufficient natural light is at hand, the device switches the artificial light off even if a person is present. The overshoot time can be adjusted using the ETS. With integrated bus coupling unit. For ceiling mounting in a size 60 mounting box, optimal installation at 2.5 m. Can also be mounted to ceilings using the surface mounting housing for ARGUS Presence.</p> <p>KNX software functions: Two movement/presence blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes. Normal operation (no master/slave), safety pause, disable function. Self-adjusting staircase timer. Actual brightness value: can be specified via the internal and/or an external light sensor.</p> <p>Angle of detection: 360° Range: a radius of max. 7 m (at a mounting height of 2.50 m) Number of levels: 6 Number of zones: 136 with 544 switching segments Number of movement sensors: 4 Light sensor: internal light sensor infinitely adjustable from approx. 10 to 2000 Lux (ETS); external light sensor via KNX EC Directives: Low-voltage guideline 2006/95/EC and EMC guideline 2004/108/EC Accessories: Surface-mounted housing for ARGUS Presence MTN550619 Contents: With bus connecting terminal and supporting plate.</p>		<p>Presence detection indoors. If KNX ARGUS Presence detects smaller movements in the room, data telegrams are transmitted via KNX to control the lighting, blind or heating at the same time. When the lighting is controlled by brightness-dependent movement detection, the device constantly monitors the brightness in the room. If sufficient natural light is at hand, the device switches the artificial light off even if a person is present. The overshoot time can be adjusted using the ETS. With integrated bus coupling unit. For ceiling mounting in a size 60 mounting box, optimal installation at 2.5 m. Can also be mounted to ceilings using the surface mounting housing for ARGUS Presence.</p> <p>KNX software functions: Five movement/presence blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes. Normal operation, master, slave, monitoring, safety pause, disable function. Four movement sensors: the sensitivity and range can be set separately for each sensor. Self-adjusting staircase timer. Actual brightness value: can be detected via the internal and/or an external light sensor. Actual value correction.</p> <p>Angle of detection: 360° Range: a radius of max. 7 m (at a mounting height of 2.50 m) Number of levels: 6 Number of zones: 136 with 544 switching segments Number of movement sensors: 4, separately adjustable Light sensor: internal light sensor infinitely adjustable from approx. 10 to 2000 Lux (ETS); external light sensor via KNX EC Directives: Low-voltage guideline 2006/95/EC and EMC guideline 2004/108/EC Accessories: Surface-mounted housing for ARGUS Presence MTN550619 Contents: With bus connecting terminal and supporting plate.</p>	


Presence Detectors

Design-Independent



KNX ARGUS Presence with light control and IR receiver	
	
Version	Art. no.
polar white	MTN630919
<p>Presence detection indoors. If KNX ARGUS Presence detects smaller movements in the room, data telegrams are transmitted via KNX to control the lighting, blind or heating at the same time. When the lighting is controlled by brightness-dependent movement detection, the device constantly monitors the brightness in the room. If sufficient natural light is at hand, the device switches the artificial light off even if a person is present. The overshoot time can be adjusted using the ETS. Light control enables the required brightness in a room to be achieved permanently. Dimming and the optional use of a second lighting group maintains a constant brightness. Individual ARGUS Presence configurations can be changed or other KNX devices can be controlled remotely using the IR receiver. With integrated bus coupling unit. For ceiling mounting in a size 60 mounting box, optimal installation at 2.5 m. Can also be mounted to ceilings using the surface mounting housing for ARGUS Presence.</p> <p>KNX software functions: Five movement/presence blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes. An additional light control block: brightness can be maintained constant by dimming and an additional adjustable level. IR receiver function. IR configuration: setting the brightness threshold, staircase timer factors or range. Normal operation, master, slave, monitoring, safety pause, disable function. Four movement sensors: the sensitivity and range can be set separately for each sensor. Self-adjusting staircase timer. Actual brightness value: can be detected via the internal and/or an external light sensor. Actual value correction.</p> <p>Angle of detection: 360° Range: a radius of max. 7 m (at a mounting height of 2.50 m) Number of levels: 6 Number of zones: 136 with 544 switching segments Number of movement sensors: 4, separately adjustable Light sensor: internal light sensor infinitely adjustable from approx. 10 to 2000 Lux (ETS); external light sensor via KNX Number of IR channels: 10 for controlling KNX devices, 10 for configuration EC Directives: Low-voltage guideline 2006/95/EC and EMC guideline 2004/108/EC Accessories: Surface-mounted housing for ARGUS Presence MTN550619 Transmitter: IR universal remote control MTN5761-0000 Contents: With bus connecting terminal and supporting plate.</p>	



Surface-mounted housing for ARGUS Presence	
	
Version	Art. no.
polar white	MTN550619 Discontinued
<p>The surface-mounted housing for ARGUS Presence devices also allows them to be surface mounted.</p> <ul style="list-style-type: none"> for surface-mounting of the LON Multi-Sensor LA-21 (art. no. 42320-104) and ILA-22 (art. no. 42320-105) colour: polar white (similar to RAL 9010) <p>To be completed with: ARGUS Presence MTN550590, ARGUS Presence with IR receiver and for extension unit operation MTN550591, KNX ARGUS Presence Basic MTN630719, KNX ARGUS Presence MTN6308.., KNX ARGUS Presence with light control and IR receiver MTN6309..</p>	

Presence Detectors

System M

System M



KNX ARGUS Presence 180/2.20 m flush-mounted



Version	Art. no.
<input type="checkbox"/> polar white, glossy	MTN630419
<input type="checkbox"/> active white, glossy	MTN630425
<input checked="" type="checkbox"/> anthracite	MTN630614

For System M.
 Presence detection indoors.
 If KNX ARGUS Presence detects smaller movements in the room, data telegrams are transmitted via KNX to control the lighting, blind or heating at the same time.
 When the lighting is controlled by brightness-dependent movement detection, the device constantly monitors the brightness in the room. If sufficient natural light is at hand, the device switches the artificial light off even if a person is present. The overshoot time can be adjusted using the ETS.
 With integrated bus coupling unit. For wall mounting in a size 60 mounting box, optimal installation at 2.2 m. With anti-crawl protection.
KNX software functions: Five movement/presence blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.
 Normal operation, master, slave, monitoring, safety pause, disable function. Two movement sensors: the sensitivity and range can be set separately for each sensor. Self-adjusting staircase timer. Actual brightness value: can be detected via the internal and/or an external light sensor. Actual value correction.
Angle of detection: 180°
Range: 8 m right/left, 12 m to the front (for a mounting height of 2.20 m)
Mounting height: 2.2 m or 1.1 m at half the range
Time: adjustable in steps from 1 s to 8 min (potentiometer) or adjustable from 1 s to 255 hours (ETS)
Number of levels: 6
Number of zones: 46
Number of movement sensors: 2, separately adjustable
Light sensor: internal light sensor infinitely adjustable from approx. 10 to 2000 Lux (ETS); external light sensor via KNX
EC Directives: Low-voltage guideline 2006/95/EC and EMC guideline 2004/108/EC
Contents: With bus connecting terminal and supporting plate.
 With cover segments to limit the area of detection.

Special Sensors

Weather, Air Quality

Weather, Air Quality



KNX brightness and temperature sensor



Version	Art. no.
light grey	MTN663991

The sensor records brightness and temperature and transmits these values to the bus. It has a temperature sensor and a brightness sensor.
 ■ 3 universal channels for single tasks or logic operations. Temperature and brightness threshold in any combination.
 ■ Sun protection channel for blinds/roller shutter control. Objects for: twilight threshold, brightness threshold, drive control, automatic sun function, teaching, security.
 ■ Automatic sun protection. Controls the blinds automatically during the day.
 ■ Teaching object. With this, every brightness threshold can be reset by the touch of a key. Suitable for mounting on an outside wall.
 With integrated bus coupler. The bus is connected using a bus connecting terminal.
Power consumption: max. 150 mW
Sensors: 2
Temperature measurement range: - 25 °C to + 55 °C (±5 % or ±1 degree)
Brightness measurement range: 1 to 100,000 lux (±20% or ±5 lux)
Type of protection: IP 54 according to DIN EN 60529 for vertical installation with cover
Dimensions: 110 x 72 x 54 mm



Air Quality Multisensor



Version	Art. no.
polar white	MTN6005-0011

The multisensor monitors the air quality in rooms e.g. in schools or offices. The measured data is sent for processing via the KNX bus. The sensor provides the following data and controls for KNX: CO₂, relative humidity, temperature, dew point, air pressure, VAV control, temperature controller.
 In addition, the sensor has 5 inputs: 2 binary inputs, 1 input can be configured as a binary or analog input, 2 inputs can be configured as binary or as temperature sensor input (PT1000, 10 kΩ PTC, 2-/10-/12-/15-/33-/47 kΩ NTC).
 The device is intended for mounting on a flush-mounted box or on the wall.
Power supply: bus voltage
Current consumption from bus: max. 10 mA
Ambient temperature: 0 °C ... +50 °C
Measuring range, CO₂: 390 ... 5000 ppm
Measuring range, temperature: 0 °C ... +50 °C
Measuring range, humidity: 0 % ... 100 %
Measuring range, atmospheric pressure: 300 hPa ... 1100 hPa
Type of protection: IP 20
Dimensions: 80.5 x 80.5 x 17 mm

Special Sensors

Weather, Air Quality



KNX weather station Basic V2



Version	Art. no.
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MTN6904-0001

The KNX weather station Basic V2 records weather data, analyses these and can transmit them to the bus. The device has a wind sensor, precipitation sensor, temperature sensor and 3 brightness sensors.

- Self contained outdoor weather station
- For measuring wind, rain, brightness and temperature
- For fully automatic blinds and sun protection control with automatic adjustment of blinds according to position of the sun
- Rain sensor with integrated heating
- The weather station can also be operated without mains supply. The heating of the rain sensor will not function then
- Measurement and evaluation directly on device
- Sun protection for up to three facades via 3 integrated brightness sensors
- 8 sun protection channels
- 4 additional threshold channels for connection of external KNX sensors
- 6 logic channels
- Display of weather data on visualisation

Suitable for mounting on an outside wall or with optional accessories on a corner or on a mast. With integrated bus coupler. The bus is connected using a bus connecting terminal. An additional AC 230 V power supply is required for the heating unit.

KNX software functions:

- Adjustment of slat position according to current position of the sun.
- Sun protection area both horizontal (azimuth) and vertical (elevation) can be set exactly.
- 3 installed brightness sensors at 90° spacing.
- 2 objects for external brightness sensors.
- Shading can be temporarily interrupted via object.
- Universal channels with AND/OR linking of weather parameters.
- Threshold channels with delay with falling below and exceeding.
- Logic channels with 4 input objects + internal link that can be configured with status of the universal and threshold channels.

Power supply: AC 110-230 V, 50-60 Hz

Power consumption: max. 10 mA with bus voltage

Stand-by consumption: < 0.5 W

Measuring range:

Brightness: 1 - 100000 lx

Temperature: - 30 °C ... + 60 °C

Wind speed: 2 - 30 m/s

Ambient temperature: - 20 °C ... + 55 °C

Protection class: II

Type of protection: IP 44

Dimensions: 227x121x108 mm (LxWxH)

Accessories: Mast and corner fastening for KNX weather station Basic V2 MTN6904-0002



Mast and corner fastening for KNX weather station Basic V2



Version	Art. no.
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MTN6904-0002

- For corner installation of max. 2 KNX weather stations Basic V2.
- For mast installation of 1 KNX weather station Basic V2.
- Diameter 48-60 mm.

To be completed with: KNX weather station Basic V2 MTN6904-0001

Special Sensors

Weather, Air Quality



Wind sensor with 0-10 V interface



IP65

Version	Art. no.
---------	----------

polar white **MTN663591**

The wind sensor evaluates the wind speed and converts it into an analogue 0-10 V output voltage.

Can be used in combination with an analog input device.

Measuring range: 0.7 ... 40 m/s, linear

Output: 0 ... 10 V

External power supply:

Voltage: 24 V DC (18-32 V DC)

Power consumption: approx. 12 mA

General specifications:

Type of protection: IP 65

Load: max. 60 m/s transient

Incoming cable: 3 m, LiYY 6 x 0.25 mm²

Fixing method: Mounting bracket

Mounting position: vertical

Contents: With mounting bracket.

Wind sensor with 0-10 V interface and heating



IP65

Version	Art. no.
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polar white **MTN663592**

The wind sensor evaluates the wind speed and converts it into an analogue 0-10 V output voltage. The integrated heater can be operated via an external power supply of AC 24 V/500 mA for trouble-free operation in frosty weather.

Can be used in combination with an analog input device

Measuring range: 0.7 ... 40 m/s, linear

Output: 0 ... 10 V

External power supply:

Voltage: 24 V DC (18-32 V DC)

Power consumption: approx. 12 mA

Heating: 24 V DC/AC PTC element (80° C)

General specifications:

Type of protection: IP 65

Load: max. 60 m/s transient

Incoming cable: 3 m, LiYY 6 x 0.25 mm²

Fixing method: Mounting bracket

Mounting position: vertical

Accessories: SpaceLogic KNX Power supply REG, AC 24 V/1 A MTN663529

Contents: With mounting bracket.

Time switch



SpaceLogic KNX Year Time Switch REG-K/8/800



Version Art. no.

MTN6606-0008

8-channel KNX time switch with year and astro program. Time switch with connection option for the GNSS antenna. To enable radio-controlled time synchronisation via GPS, the device needs to be fitted with the antenna. Time and date can be issued on the bus. The device can be programmed manually on the device itself or on the PC using software. After programming on the PC, all switching times are exported to a memory chip available as an accessory, and transmitted from this into one or more time switches.

- Comprehensive annual clock functions
- 8 channels
- 800 memory switching time locations
- 8 years power reserve (lithium battery)
- Text-oriented user interface in the display
- Display lighting (can be switched off)
- Astronomic switch function (automatic calculation of sunrise and sunset times for the whole year)
- Time synchronisation by connecting an external GNSS antenna; additional positioning for astro program
- Time and date synchronisation for other bus devices
- Automatic changeover between summer and winter time
- Switch-off timer
- Holiday program
- 2 random programs
- Integrated operating hours counter
- ON/OFF switching times
- Impulse program
- Cycle program
- Switch preselection
- ON/OFF permanent switching
- PIN coding
- Interface for memory card (PC programming)
- Screwless terminals for 2 lines each

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

Operating voltage: Bus: DC 24 V

Mains: AC 110-240 V

Shortest switching time: 1 s

Accuracy: $\leq \pm 0.5\text{s/day}$

Power reserve: 8 years

Type of protection: IP 20

Device width: 3 modules = approx. 54 mm

Accessories: Acti 9 - Programming kit for IHP / IC / KNX Year Time Switch CCT15860, IHP+ and KNX Year Time Switch key CCT15861

IHP+ and KNX Year Time Switch key



Version Art. no.

CCT15861

Memory card for saving and duplicating programs for time switches. The program created by the software is loaded to the memory chip and can then be imported to one or more time switches.

For IHP+ 1c/2c, ICAstro 1c/2c, IC100kp+ 1c/2c, IHP 1c 18 mm, IHP+ 1c 18 mm and KNX Year Time Switch

In KNX, to be completed with: SpaceLogic KNX Year Time Switch REG-K/8/800 MTN6606-0008



Acti 9 - Programming kit for IHP / IC / KNX Year Time Switch



Version Art. no.

CCT15860

For IC Astro and IC 100kp+.

In KNX, to be completed with: SpaceLogic KNX Year Time Switch REG-K/8/800 MTN6606-0008

Accessories: IHP+ and KNX Year Time Switch key CCT15861

Contents: With adapter, memory chip and 2 m USB cable.

Energy Meter



Resi9 Energy Meter Wired, Single Phase, 80A, 6 Channels



Version	Art. no.
80 A, 6 circuits	R9M80X6M New

The energy meter measures current, voltage, energy consumption, etc., for monitoring single-phase electrical installations. It provides bidirectional active energy values, which are stored in the energy meter's non-volatile memory. The energy meter can provide both highly accurate measured values and average values. The current measurements are made via the Resi9 current transformers 80A (R9MCT80).

The energy meter provides highly accurate measurement data or calculated average value of a second time for the true RMS (root mean square) value for the below listed items:

- Voltage (single-phase)
- Current per circuit
- Active power per circuit (single-phase)
- Power factor (single-phase)
- Frequency (single-phase)

To visualize the measured values in KNX, you can connect SpaceLogic KNX spaceLYnk or Wiser for KNX logic controller.

The energy meter communicates with a standard Modbus system via the Modbus interface. It uses Modbus RTU as the communication protocol via RS485; the basic implementation class is used.

- It acts as a Modbus secondary device connected to an edge controller
- Supported baud rate: 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
default: 19200 bps, maximum: 38400 bps
- Half-duplex, four-wire Modbus (D1/+, D0/-, shield, 0V)
- Line termination is provided externally
- Up to 15 devices can be connected to a single RS-485 bus

Configuration: The energy meter can be configured by Modbus Poll and other standard Modbus systems via the Modbus interface.

For mounting on TH35 DIN rails in accordance with EN 60715

Nominal voltage: AC 100-240 V, 50/60 Hz, or DC 80-265 V
Power loss: < 5 VA @ AC; < 3 W @ DC

Voltage Inputs

Measured voltage: AC 230 V, +/- 20 %
Nominal frequency: 50 Hz, +/- 5 Hz

Current inputs

Measured current: 20 mA to 80 A
Nominal frequency: 50 Hz, +/- 5 Hz

DO output: DC 24 V, 50 mA

Pulse output: 400 imp/kWh

Environment

Operating temperature: -25 °C to +60 °C

Storage temperature: -40 °C to +85 °C

Humidity rating: 5% to 95% relative at 50 °C (non-condensing)

Pollution degree: 2

Altitude: ≤ 2000 m (6562 ft)

Terminals:

Digital-Pulse output / RS485 / Current input: 1x 0.2 - 1.5 mm²

Power supply / Voltage input: 1x 0.2 - 2.5 mm²

Operating elements: 4 LEDs (power, alarm, communication, digital output), 1x push button (reset)

Protection type: IP40 front display, IP20 housing

Dimensions (W x L x H): 27 x 70 x 113.6 mm

To be completed with: SET of 6 Resi9 current transformers 80A, R9MCT80.

Scope of delivery: With pluggable screw and plug-in terminals

Compatible with: SpaceLogic KNX spaceLYnk LSS100200, SpaceLogic KNX Wiser for KNX LSS100100



Resi9 Energy Meter Wired, Universal, 80A/160A/250A, 6 Channels



Version	Art. no.
80 A, 160 A, 250 A, 6 circuits	R9MUX6M New

The energy meter measures current, voltage, energy consumption, etc., for monitoring single-phase and three-phase electrical installations. It provides bidirectional active energy values, which are stored in the energy meter's non-volatile memory. The energy meter can provide both highly accurate measured values and average values. The current measurements are made via the Resi9 current transformers 80 A (R9MCT80), 160 A (R9MCT160), and 250 A (R9MCT250).

The energy meter provides highly accurate measurement data or calculated average value of a second time for the true RMS (root mean square) value for the below listed items:

- Voltage (single-phase and three-phase)
- Current per circuit
- Active power (single-phase and three-phase)
- Power factor (single-phase and three-phase)
- Frequency

To visualize the measured values in KNX, you can connect SpaceLogic KNX spaceLYnk or Wiser for KNX logic controller.

The energy meter communicates with a standard Modbus system via the Modbus interface. It uses Modbus RTU as the communication protocol via RS485; the basic implementation class is used.

- It acts as a Modbus secondary device connected to an edge controller
- Supported baud rate: 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
default: 19200 bps, maximum: 38400 bps
- Half-duplex, four-wire Modbus (D1/+, D0/-, shield, 0V)
- Line termination is provided externally
- Up to 15 devices can be connected to a single RS485 bus

Configuration: The energy meter can be configured by Modbus Poll and other standard Modbus systems via the Modbus interface.

For mounting on TH35 DIN rails in accordance with EN60715

Nominal voltage: AC 100-240 V, 50/60 Hz, or DC 80-265 V
Power loss: < 5 VA @ AC; < 3 W @ DC

Voltage Inputs

Measured voltage: 3 of AC 230 V / 400 V, +/- 20 %
Nominal frequency: 50 Hz, +/- 5 Hz

Current inputs

Measured current: 20 mA to 80 A, 40 mA to 160 A, 40 mA to 250 A
Nominal frequency: 50 Hz, +/- 5 Hz

DO output: DC 24 V, 50 mA

Pulse output: 400 imp/kWh

Environment

Operating temperature: -25 °C to +60 °C

Storage temperature: -40 °C to +85 °C

Humidity rating: 5% to 95% relative at 50 °C (non-condensing)

Pollution degree: 2

Altitude: ≤ 2000 m (6562 ft)

Terminals:

Digital-Pulse output / RS485 / Current input: 1x 0.2 - 1.5 mm²

Power supply / Voltage input: 1x 0.2 - 2.5 mm²

Operating elements: 5 LEDs (power, alarm, communication, digital output 1, and digital output 2), 1x push button (reset)

Protection type: IP40 front display, IP20 housing

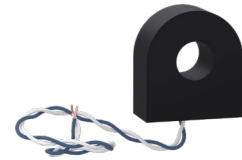
Dimensions (W x L x H): 36 x 70 x 114.6 mm

To be completed with: SET of 6 Resi9 current transformers 80 A, R9MCT80.

SET of 3 Resi9 current transformers 160 A, R9MCT160 / 250 A, R9MCT250.

Scope of delivery: With pluggable screw and plug-in terminals

Compatible with: SpaceLogic KNX spaceLYnk LSS100200, SpaceLogic KNX Wiser for KNX LSS100100



SET of 6 Resi9 current transformers 80 A



Version	Art. no.	
80 A	R9MCT80	New

The current transformer 80 A is used for current sensing. One set contains 6 units of 80 A current transformers.

Features:

- Max. 2 CTs per CT channel input can be used without impact on accuracy
- Pre-wired

Diameter phase opening: 10 mm

Dimensions (W x L x H): 27 x 13 x 29.5 mm

Cable length: 1 m (can be reduced or extended to max. 1.5 m without affecting the accuracy)

Suitable cores: The diameter of the phase opening is suitable for the following cross-sections: 8x 1.5 mm² / 6x 2.5 mm² / 4x 4 mm² / 2x 6 mm² / 1x 10 mm² / 1x 16 mm²

To be completed with:

- Resi9 Energy Meter Wired, Single Phase, 80A, 6 Channels, R9M80X6M.
- Resi9 Energy Meter Wired, Universal, 80A/160A/250A, 6 Channels, R9MUX6M.



SET of 3 Resi9 current transformers 160 A



Version	Art. no.	
160 A	R9MCT160	New

The current transformer 160 A is used for current sensing. One set contains 3 units of 160 A current transformers.

Features:

- Max. 2 CTs per CT channel input can be used without impact on accuracy
- Pre-wired

Diameter phase opening: 19 mm

Dimensions (W x L x H): 48 x 29 x 54 mm

Cable length: 1.5 m

Suitable cores: The diameter of the phase opening is suitable for the following cross-sections: 3x 16 mm² / 2x 25 mm² / 1x 35 mm² / 1x 50 mm² / 1x 70 mm²

To be completed with:

- Resi9 Energy Meter Wired, Universal, 80A/160A/250A, 6 Channels, R9MUX6M.



SET of 3 Resi9 current transformers 250 A



Version	Art. no.	
250 A	R9MCT250	New

The current transformer 250 A is used for current sensing. One set contains 3 units of 250 A current transformers.

Features:

- Max. 2 CTs per CT channel input can be used without impact on accuracy
- Pre-wired

Diameter phase opening: 27 mm

Dimensions (W x L x H): 60 x 29 x 66 mm












Cable length: 1.5 m

Suitable cores: The diameter of the phase opening is suitable for the following cross-sections: 3x 35 mm² / 1x 50 mm² / 1x 70 mm² / 1x 95 mm² / 1x 125 mm² / 1x 150 mm² / 1x 185 mm²







To be completed with:

- Resi9 Energy Meter Wired, Universal, 80A/160A/250A, 6 Channels, R9MUX6M.

Switch Actuators Overview

	SpaceLogic KNX, Secure, Switch/Blind Master	SpaceLogic KNX Switch/Blind Master	SpaceLogic KNX Switch/Blind Extension		SpaceLogic KNX Switch actuator REG-K/x230/16 with manual mode			SpaceLogic KNX Switch actuator REG-K/x230/16 with manual mode and current detection			
											
Commercial reference	MTN6705-0008S	MTN6705-0008	MTN6805-0008		MTN647593	MTN647893	MTN648493	MTN647395	MTN647595	MTN647895	MTN648495
KNX Secure certified 	■	—	—		—	—	—	—	—	—	—
Number of switch contacts	8	8	8		4	8	12	2	4	8	12
Device width (1 md. = 1 module = 18 mm)	4 md.	4 md.	4 md.		4 md.	8 md.	12 md.	2.5 md.	4 md.	8 md.	12 md.
Manual mode <ul style="list-style-type: none"> ■ Mechanical ■ Electrical ■ Reset by manual mode triggered actions 	— ■ (lockable)	— ■ (lockable)	on master device		— ■ —	— ■ —	— ■ —	— ■ —	— ■ —	— ■ —	— ■ —
Connecting terminal (consumer load)	Screw terminals	Screw terminals	Screw terminals		Screw terminals			Screw terminals			
Nominal voltage, AC, 50-60 Hz	AC 250 V	AC 250 V	AC 250 V		AC 230 V	AC 100-240 V	AC 230 V	AC 100-240 V	AC 230 V	AC 100-240 V	AC 100-240 V
Nominal current	16 AAC-1, IEC 60947-4-1 10 A, IEC 60669-2-5	16 AAC-1, IEC 60947-4-1 10 A, IEC 60669-2-5	16 AAC-1, IEC 60947-4-1 10 A, IEC 60669-2-5		16 A, cosφ = 0.6			16 A, cosφ = 0.6			
Connection power max. at AC 230 V <ul style="list-style-type: none"> ■ Incandescent lamps ■ Halogen lamps ■ Capacitive load ■ Fluorescent lamps 	2300 W 2300 W 10 AX, 140 µF	2300 W 2300 W 10 AX, 140 µF	2300 W 2300 W 10 AX, 140 µF		3600 W 2500 W 200 µF 2500 VA			3600 W 2500 W 200 µF 2500 VA			
DC power supply	not allowed	not allowed	not allowed		not allowed			Purely resistive loads allowed, DC 12-24 V, +10 %, 0,1 - 16 A			
Software											
ON/OFF delay	■	■	The software functions are provided by the master device		■			■			
Staircase lighting function with/without manual OFF <ul style="list-style-type: none"> ■ Retriggerable ■ Fix (for all push-buttons the same time) ■ Variable (for all push-buttons different times) ■ Retriggerable and adding ■ Retriigger to the higher time ■ Prewarn 	■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■			■ — — — — ■			■ ■ ■ ■ ■ ■ ■			
Flashing	■	■			■			■			
Make/Break contact adjustable	■	■			■			■			
Changeover contact adjustable	—	—			■			—			
Status/Status feedback <ul style="list-style-type: none"> ■ Active ■ Passive ■ Manual mode: Identify and acknowledge / Reset ■ Delayed per device / Delayed per channel 	■ ■ ■ / ■ ■ / ■	■ ■ ■ / ■ ■ / ■			■ ■ — / — — / —			■ ■ ■ / ■ ■ / ■			
Behaviour of bus voltage failure / bus voltage recovery	■ / ■	■ / ■			■ / ■			■ / ■			
Scenes <ul style="list-style-type: none"> ■ Sending delay 	16 ■	16 ■			8 —			8 ■			
Higher priority functions <ul style="list-style-type: none"> ■ Logic function ■ Disable function or priority function 	■ Logic function ■ Disable function or priority function	■ Logic function ■ Disable function or priority function			■ Disable function ■ Logic function or priority function			■ Logic function ■ Disable function or priority function			
Disable function <ul style="list-style-type: none"> ■ Behaviour of locking after bus voltage recovery 	■	■			■			■			
Logic function <ul style="list-style-type: none"> ■ Logic operation ■ Value comparison / logic / gate function / filter / time delay 	— / — / — / — / —	— / — / — / — / —			■ — / — / — / — / —			■ ■ / ■ / ■ / ■ / ■			
Central function <ul style="list-style-type: none"> ■ Time delay / Save changes 	■ ■ / ■	■ ■ / ■			■ — / —			■ ■ / ■			
Safety function	■	■		—			■				
Line monitoring (sending live signal)	■	■		—			■				
Energy saving function	■	■		—			—				
Switching cycle counter	■	—		—			—				
Firmware update (USB/TP)	■ / ■	■ / —		— / —			— / —				
Firmware version visible in ETS application	■	—		—			—				

Switch Actuators Overview

	SpaceLogic KNX, Secure, Switch/Blind Master	SpaceLogic KNX Switch/Blind Master	SpaceLogic KNX Switch/Blind Extension		SpaceLogic KNX Switch actuator REG-K/x230/16 with manual mode			SpaceLogic KNX Switch actuator REG-K/x230/16 with manual mode and current detection			
	 MTN6705-0008S	 MTN6705-0008	 MTN6805-0008		 MTN647593	 MTN647893	 MTN648493	 MTN647395	 MTN647595	 MTN647895	 MTN648495
Commercial reference											
Current detection			The software functions are provided by the master device								
<ul style="list-style-type: none"> ■ AC/DC ■ Display energy consumption* ■ Several limit monitorings ■ Switch counter ■ Hours counter ■ Combined counter (Switch and hour counter with limit monitoring) 	—	—									
Heating function											
<ul style="list-style-type: none"> ■ Switching ON/OFF (2-point valve) ■ Continuous (PWM) ■ Cyclic surveillance of control value ■ Locking in summer/winter mode ■ Collected response „All valves closed“ ■ Current detection ■ Valve protection cyclical / with telegram ■ Valve protection feedback / status ■ Behaviour when bus voltage fails / when bus voltage returns 	—	—									

Switch Actuators

Flush-Mounted

Flush-Mounted



SpaceLogic KNX Flush Mounted Switch Actuator 1g with 3 binary inputs



Version

Art. no.

MTN6003-0011

1-gang switch actuator with three binary inputs for installation in a size 60 switch box. Floating contacts can be connected to the three inputs. Optionally, an NTC temperature sensor can be connected to the third input.

The inputs and the KNX are connected via a 6-core, approx. 30 cm long, connecting cable. The connecting cable for the inputs can be extended to a max. of 10 m.

KNX Secure compatible

KNX software functions: Switch actuator functions:

Operation as break contact or make contact. Selection of default position on bus voltage failure/recovery. Switch on and/or off delay. Time switch function. Switching. Status feedback. Disable function or priority control. Scene function (64). Status feedback object can be inverted.

Input function:

Free assignment of the switching, dimming, blind and valuator functions. Locking object.

Behaviour when bus voltage recovers. Temperature, Brightness, Color temperature, Switching: two switch objects per input. Command on rising/falling edge (ON, OFF, TOGGLE, no reaction).

Dimming: Single surface and dual-surface operation. Time between dimming and switching and dim step values. Telegram repetition and send stop telegram.

Blinds: Command on rising edge (none, UP, DOWN, TOGGLE), Operation concept (Step - Move - Step or Move - Step). Time between short and long operation. Slat adjustment time.

Valuator and lightscene ext. input: Edge (push-button as make contact, push-button as break contact, switch) and value on edge. Value adjustment via long push-button action for valuator. Lightscene ext. unit with memory function.

Logic module:

Logic operation, Converter, Blocking element, Comparator, Limit value

Nominal voltage: AC 230 V

Nominal current: 16 A, ohmic load

Switch contact: Make contact, floating relay contact

Nominal output

Incandescent lamps: AC 230 V, max. 2500 W

Halogen lamps: AC 230 V, max. 2500 W

HV LED lamps: AC 230 V, max. 400 W

Ohmic load: AC 230 V, 3000 W

Capacitive load: AC 230 V, 16 A, max. 140 µF

LV halogen lamps: max. 1200 VA, wound transformer
max. 1500 W, electronic transformers

Fluorescent lamps: AC 230 V, max. 1000 W, uncompensated
AC 230 V, max. 1160 W (140 µF) with parallel compensation

Inputs: 3

Temperature range: -5 °C to 45 °C

Dimensions: 48x50x28 (WxHxD)

Note: For installation in a double box or an electronic box (Kaiser). There must be a minimum gap of 4mm between the 230V connection and the connection for the KNX/Inputs (SELV)

Switch Actuators

Flush-Mounted



SpaceLogic KNX Flush Mounted Blind/Switch actuator 2g with 3 binary inputs



Version

Art. no.

MTN6003-0012

1-gang blind actuator or 2-gang switch actuator with three binary inputs for installation in a size 60 switch box. Floating contacts can be connected to the three inputs. Optionally, an NTC temperature sensor can be connected to the third input.

The inputs and the KNX are connected via a 6-core, approx. 30 cm long, connecting cable. The connecting cable for the inputs can be extended to a max. of 10 m.

KNX Secure compatible

KNX software functions: Blind actuator function:

Operation mode: Blinds, roller shutters, awnings or ventilation flaps. Raising or lowering times with extension for the upper limit position. Status feedback of the position or of the slat position. Active/passive status feedback, cycl. status feedback function. Up to 5 safety functions (3 wind alarms, 1 rain alarm, 1 frost alarm). Cycl. monitoring. Sun protection function with fixed and variable positions. Shading controls with heating/cooling automatic mode and presence function. Behaviour when bus voltage fails/recovers. Status feedback delay after bus voltage recovery. Priority function. Scene function (64). Memory function for scenes.

Input function:

Free assignment of the switching, dimming, blind and valuator functions. Locking object.

Behaviour when bus voltage recovers. Temperature, Brightness, Color temperature, Switching: two switch objects per input. Command on rising/falling edge (ON, OFF, TOGGLE, no reaction).

Dimming: Single surface and dual-surface operation. Time between dimming and switching and dim step values. Telegram repetition and send stop telegram.

Blinds: Command on rising edge (none, UP, DOWN, TOGGLE), Operation concept (Step - Move - Step or Move - Step). Time between short and long operation. Slat adjustment time.

Valuator and Scene ext. input: Edge (push-button as make contact, push-button as break contact, switch) and value on edge. Value adjustment via long push-button action for valuator. Scene ext. unit with memory function.

Logic module:

Logic operation, Converter, Blocking element, Comparator, Limit value

Nominal voltage: AC 230 V

Nominal current: Σ 16 A, ohmic load

Switch contact: Make contact, floating relay contact

Nominal output

Motor: AC 230 V, max. 1380 W

Incandescent lamps: AC 230 V, max. 2500 W

Halogen lamps: AC 230 V, max. 2500 W

HV LED lamps: AC 230 V, max. 400 W

Ohmic load: AC 230 V, 3000 W

Capacitive load: AC 230 V, 16 A, max. 140 µF

LV halogen lamps: max. 1200 VA, wound transformer
max. 1500 W, electronic transformers

Fluorescent lamps: AC 230 V, max. 1000 W, uncompensated
AC 230 V, max. 1160 W (140 µF) with parallel compensation

Inputs: 3

Temperature range: -5 °C to 45 °C

Dimensions: 48x50x28 (WxHxD)

Note: For installation in a double box or an electronic box (Kaiser). There must be a minimum gap of 4mm between the 230V connection and the connection for the KNX/Inputs (SELV)

Switch Actuators

DIN Rail

DIN Rail



SpaceLogic KNX Switch actuator REG-K/2x230/16 with manual mode and current detection



Version	Art. no.
light grey	MTN647395

For independent switching of two loads via make contacts. The actuator has integrated current detection that measures the load current on each channel. All 230 V switch outputs can be operated with manual switches. With integrated bus coupling unit. A green LED indicates that the device is ready for operation once the application has been loaded. The load is connected with screw terminals. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software functions: Operation as break contact or make contact. Staircase lighting function with/without manual OFF function and switch-off warning. Delay functions. Scenes. Logic function. Blocking or priority control. Feedback function. Status. Central function with delay. Parameterisation for bus voltage failure and recovery. Behaviour for download. Current detection function: Behaviour when value exceeds/falls short of the threshold value. Energy, operating and switch on counter with limit value monitoring. Flash function.

Nominal voltage: AC 100-240 V $\pm 10\%$

DC 12-24 V, 0.1-16 A

Operating voltage: min. AC 90 V - max. AC 265 V

Mains frequency: 50-60 Hz $\pm 10\%$

For each switching contact:

Switching current: 16 A, $\cos\phi = 0.6$

AC1 operation: max. 16 A

AC3 operation: max. 10 A

AC5 operation: max. 16 A

DC current switching capacity: max. 16 A / 24 V DC

Output life endurance:

Mechanical: $>10^6$

AC1/AC3/AC5 operation: $>3 \times 10^4$

230V, 1A resistive: $>8 \times 10^5$

Nominal load

Incandescent lamps: AC 100 V, max. 1600 W

AC 230 V, max. 3600 W

AC 240 V, max. 3840 W

Halogen lamps: AC 100 V, max. 1086 W

AC 230 V, max. 2500 W

AC 240 V, max. 2608 W

Fluorescent lamps: AC 100 V, max. 1086 VA

AC 230 V, max. 2500 VA

AC 240 V, max. 2608 VA

parallel-compensated

Capacitive load: AC 230 V, 16 A, max. 200 μF

Motor load: AC 100 V, max. 434 W

AC 230 V, max. 1000 W

AC 240 V, max. 1043 W

Minimum switching performance: 100 mA/12 V AC/DC

Maximum peak inrush-current:

150 μs : 600 A

250 μs : 480 A

600 μs : 300 A

Current detection (load current):

Detection range: 0.1 A to 16 A (sine effective value or DC)

Sensing accuracy: $\pm 8\%$ of the current value at hand (sine) and ± 100 mA

Frequency: 50/60 Hz, for alternating current (AC)

Description: 100 mA

Device width: 2.5 modules = approx. 45 mm

Contents: With bus connecting terminal and cable cover.

Switch Actuators

DIN Rail



SpaceLogic KNX Switch actuator REG-K/4x230/16 with manual mode



Version	Art. no.
light grey	MTN647593

For independent switching of four loads via make contacts. With integrated bus coupler 2 and screw terminals. The 230 V switch output can be operated with a manual switch. A green LED indicates readiness for operation after the application has been loaded. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software functions: Operation as break or make contact, delay functions for each channel, staircase lighting function with/without manual OFF function, cut-out warning for staircase lighting function, blocking and additional logic operation or priority control, scenes, status feedback function per channel, central function, comprehensive parameterisation for bus voltage failure and recovery, parameterisable download behaviour.

Nominal voltage: 230 V AC, 50-60 Hz

For each switching contact: Switching current: 16 A, $\cos\phi = 0.6$

AC1 operation: max. 16 A

AC3 operation: max. 10 A

AC5 operation: max. 16 A

DC current switching capacity: max. 16 A / 24 V DC

Output life endurance:

Mechanical: $>10^6$

AC1/AC3/AC5 operation: $>3 \times 10^4$

230V, 1A resistive: $>8 \times 10^5$ **Incandescent lamps:** 230 V AC, max. 3600 W

Halogen lamps: 230 V AC, max. 2500 W

Fluorescent lamps: AC 230 V, max. 2500 VA

Capacitive load: 230 V AC, 16 A, max. 200 μF

Minimum switching performance: 100 mA/12 V AC/DC

Maximum peak inrush-current:

150 μs : 600 A

250 μs : 480 A

600 μs : 300 A

Device width: 4 modules = approx. 72 mm

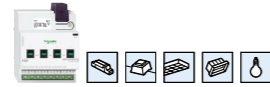
Contents: With bus connecting terminal and cable cover.

Switch Actuators

DIN Rail



SpaceLogic KNX Switch actuator REG-K/4x230/16 with manual mode and current detection



Version	Art. no.
light grey	MTN647595

For independent switching of four loads via make contacts. The actuator has integrated current detection that measures the load current on each channel. All 230 V switch outputs can be operated with manual switches. With integrated bus coupling unit.

A green LED indicates that the device is ready for operation once the application has been loaded. The load is connected with screw terminals.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software functions: Operation as break contact or make contact. Staircase lighting function with/without manual OFF function and switch-off warning. Delay functions. Scenes. Logic function. Blocking or priority control. Feedback function. Status. Central function with delay. Parameterisation for bus voltage failure and recovery. Behaviour for download.

Current detection function: Behaviour when value exceeds/falls short of the threshold value.

Energy, operating and switch on counter with limit value monitoring.

Flash function.

Nominal voltage: 230 V AC, 50-60 Hz

DC 12-24 V $\pm 10\%$, 0.1-16 A

For each switching contact: Switching current: 16 A, $\cos\phi = 0.6$

AC1 operation: max. 16 A

AC3 operation: max. 10 A

AC5 operation: max. 16 A

DC current switching capacity: max. 16 A / 24 V DC

Output life endurance:

Mechanical: $>10^6$

AC1/AC3/AC5 operation: $>3 \times 10^4$

230V, 1A resistive: $>8 \times 10^5$ **Incandescent lamps:** 230 V AC, max. 3600 W

Halogen lamps: 230 V AC, max. 2500 W

Fluorescent lamps: 230 V AC, max. 2500 VA, with parallel compensation

Capacitive load: 230 V AC, 16 A, max. 200 μF

Minimum switching performance: 100 mA/12 V AC/DC

Maximum peak inrush-current:

150 μs : 600 A

250 μs : 480 A

600 μs : 300 A

Current detection load current: Detection range: 0.1 A to 16 A (sine effective value or direct current)

Detection accuracy: $\pm 8\%$ of the present current value (sine) and ± 100 mA

Frequency: 50/60 Hz with alternating voltage

Display: 100 mA

Device width: 4 modules = approx. 72 mm

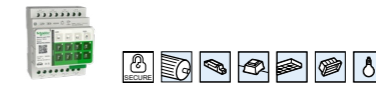
Contents: With bus connecting terminal and cable cover.

Switch Actuators

DIN Rail



SpaceLogic KNX, Secure, Switch/Blind Master



Version	Art. no.
white	MTN6705-0008S New

This device is KNX Secure certified.

For independent control of up to 4 blind/roller shutter drives or for switching up to 8 loads via make contacts. The function of the blind or switching channels is freely configurable. All blind/switch outputs can be operated manually using push-buttons.

The number of channels can be increased by connecting SpaceLogic KNX Switch/Blind Extensions. A maximum of 2 Extensions can be connected to the Master, so up to 24 loads can be switched or 12 blind drives can be controlled. The Master controls the Extensions, their power supply and communication with the bus.

Operating elements: Push-buttons for switching to manual operation, for choosing the device to be operated (Master and Extensions) and for channel control.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX Secure compatible: The actuator supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.

General KNX software functions: Energy saving, device safety, device health, manual operation, PIN code for firmware update.

Blind actuator functions: Running time, idle time, step interval, locking function, movement range limits, weather alarm, 8-bit positioning for height and slats, scenes, status and feedback function.

Switch actuator functions: Operation as break contact/make contact, programmable behaviour for download, delay functions for each channel, staircase lighting function with/without manual OFF function, switch-off prewarning for staircase lighting function, scenes, central function, locking function, logic operation or priority control, switching cycle counter, status feedback function for each channel.

Supply voltage: KNX bus, approx. 6.5 mA (Master), approx. 9 mA (Master + 1 Extension), approx. 12.5 mA (Master + 2 Extensions)

Nominal voltage: AC 250 V, 50-60 Hz

Nominal current: 16 A AC-1, IEC 60947-4-1 / 10 A, IEC 60669-2-5

For each blind output:

Motor load: 1000 VA

For each switch output:

Nominal load

Incandescent lamps: 2300 W

Halogen lamps: 2300 W

LED: 200 W

Capacitive load: 10 AX, max. 140 μF

Inductive load: 10 A, $\cos\phi = 0.6$

Relay data - inrush current: max. 800 A/200 μs , max. 165 A/20 ms

Device width: 4 modules = approx. 72 mm

Accessories: SpaceLogic KNX Switch/Blind Extension MTN6805-0008, SpaceLogic KNX Module Link MTN6941-0000, SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002.

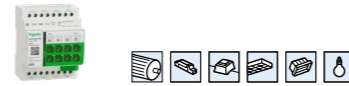
Contents: With bus connecting terminal.

Switch Actuators

DIN Rail



SpaceLogic KNX Switch/Blind Master



Version	Art. no.
white	MTN6705-0008 Discontinued

For independent control of up to 4 blind/roller shutter drives or for switching up to 8 loads via make contacts. The function of the blind or switching channels is freely configurable. All blind/switch outputs can be operated manually using push-buttons.

The number of channels can be increased by connecting SpaceLogic KNX Switch/Blind Extensions. A maximum of 2 Extensions can be connected to the Master, so up to 24 loads can be switched or 12 blind drives can be controlled. The Master controls the Extensions, their power supply and communication with the bus.

Operating elements: Push-buttons for switching to manual operation, for choosing the device to be operated (Master and Extensions) and for channel control.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

General KNX software functions: Energy saving, device safety, device health, manual operation, PIN code for firmware update.

Blind actuator functions: Running time, idle time, step interval, locking function, movement range limits, weather alarm, 8-bit positioning for height and slats, scenes, status and feedback function.

Switch actuator functions: Operation as break contact/make contact, programmable behaviour for download, delay functions for each channel, staircase lighting function with/without manual OFF function, switch-off prewarning for staircase lighting function, scenes, central function, locking function, logic operation or priority control, status feedback function for each channel.

Supply voltage: KNX bus, approx. 6.5 mA (Master), approx. 9 mA (Master + 1 Extension), approx. 12.5 mA (Master + 2 Extensions)

Nominal voltage: AC 250 V, 50-60 Hz

Nominal current: 16 A AC-1, IEC 60947-4-1 / 10 A, IEC 60669-2-5

For each blind output:

Motor load: 1000 VA

For each switch output:

Nominal load

Incandescent lamps: 2300 W

Halogen lamps: 2300 W

LED: 200 W

Capacitive load: 10 AX, max. 140 µF

Inductive load: 10 A, $\cos\phi = 0.6$

Relay data - inrush current: max. 800 A/200 µs, max. 165 A/20 ms

Device width: 4 modules = approx. 72 mm

Accessories: SpaceLogic KNX Switch/Blind Extension MTN6805-0008, SpaceLogic KNX Module Link MTN6941-0000, SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002.

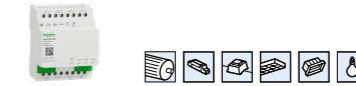
Contents: With bus connecting terminal.

Switch Actuators

DIN Rail



SpaceLogic KNX Switch/Blind Extension



Version	Art. no.
white	MTN6805-0008

The SpaceLogic KNX Switch/Blind Extension is a switch actuator that extends the channels of a SpaceLogic KNX Switch/Blind Master (Secure) or a SpaceLogic KNX Universal Dimming Master (Secure).

For independent control of up to 4 blind/roller shutter drives or for switching up to 8 loads via make contacts. The function of the blind or switching channels is freely configurable.

The ETS programming is carried out in the ETS application of the Master. The Master controls the function of the Extension, the power supply and communication to the KNX bus.

All outputs can be operated manually using the Master's keypad.

On the Extension a green LED indicates readiness for operation, a red manual operation LED shows whether the Extension is controlled manually.

For installation on DIN rails TH35 according to EN 60715. The connection to the Master or another Extension is made either with a Module Link or with a Cable Link.

KNX software functions: The functions are set in the KNX application of the Master

Supply voltage: via link interface

Nominal voltage: AC 250 V, 50-60 Hz

Nominal current: 16 A AC-1, IEC 60947-4-1 / 10 A, IEC 60669-2-5

For each blind output:

Motor load: 1000 VA

For each switch output:

Nominal load

Incandescent lamps: 2300 W

Halogen lamps: 2300 W

LED: 200 W

Capacitive load: 10 AX, max. 140 µF

Inductive load: 10 A, $\cos\phi = 0.6$

Relay data - inrush current: max. 800 A/200 µs, max. 165 A/20 ms

Device width: 4 modules = approx. 72 mm

In KNX, to be completed with: SpaceLogic KNX Switch/Blind Master MTN6705-0008/ MTN6705-0008S, SpaceLogic KNX Universal Dimming Master MTN6710-0102/ MTN6710-0102S

Accessories: SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002

Contents: With Module Link.



SpaceLogic KNX Cable Link S		SpaceLogic KNX Cable Link L	
Version	Art. no.	Version	Art. no.
30 cm	MTN6941-0001	150 cm	MTN6941-0002
The Cable Link connects Master/Extension or Extension/Extension that are not placed directly next to each other on the DIN rail. Length: 30 cm		The Cable Link connects Master/Extension or Extension/Extension that are not placed directly next to each other on the DIN rail. Length: 150 cm	



Version	Art. no.	Version	Art. no.
30 cm	MTN6941-0001	150 cm	MTN6941-0002

The Cable Link connects Master/Extension or Extension/Extension that are not placed directly next to each other on the DIN rail. Length: 30 cm

The Cable Link connects Master/Extension or Extension/Extension that are not placed directly next to each other on the DIN rail. Length: 150 cm

SpaceLogic KNX Module Link



Version	Art. no.
	MTN6940-0000

The Module Link connects Master/Extension or Extension/Extension that are placed directly next to each other on the DIN rail.

Switch Actuators

DIN Rail



SpaceLogic KNX Switch actuator REG-K/8x230/16 with manual mode



Version	Art. no.
light grey	MTN647893

For independent switching of 8 loads via make contacts. All 230 V switch outputs can be operated with manual switches. With integrated bus coupler.

The device is connected to the mains via screw terminals; every second L connection is bridged internally. A green LED indicates readiness for operation after the application has been loaded.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software functions: Operation as break or make contact, delay functions for each channel, staircase lighting function with/without manual OFF function, cut-out warning for staircase lighting function, blocking and additional logic operation or priority control, scenes, status feedback function per channel, central function, comprehensive parameterisation for bus voltage failure and recovery, parameterisable download behaviour.

Nominal voltage: AC 100-240 V $\pm 10\%$

Operating voltage: min. AC 90 V - max. AC 265 V

Mains frequency: 50-60 Hz $\pm 10\%$

For each switching contact:

Switching current: 16 A, $\cos\phi = 0.6$

AC1 operation: max. 16 A

AC3 operation: max. 10 A

AC5 operation: max. 16 A

DC current switching capacity: max. 16 A / 24 V DC

Output life endurance:

Mechanical: $>10^6$

AC1/AC3/AC5 operation: $>3 \times 10^4$

230V, 1A resistive: $>8 \times 10^5$

Nominal load

Incandescent lamps: AC 100 V, max. 1600 W

AC 230 V, max. 3600 W

AC 240 V, max. 3840 W

Halogen lamps: AC 100 V, max. 1086 W

AC 230 V, max. 2500 W

AC 240 V, max. 2608 W

Fluorescent lamps: AC 100 V, max. 1086 VA

AC 230 V, max. 2500 VA

AC 240 V, max. 2608 VA

parallel-compensated

Capacitive load: AC 230 V, 16 A, max. 200 μF

Minimum switching performance: 100 mA/12 V AC/DC

Maximum peak inrush-current:

150 μs : 600 A

250 μs : 480 A

600 μs : 300 A

Device width: 8 modules = approx. 144 mm

Contents: With bus connecting terminal and cable cover.

Switch Actuators

DIN Rail



SpaceLogic KNX Switch actuator REG-K/8x230/16 with manual mode and current detection



Version	Art. no.
light grey	MTN647895

For independently switching 8 loads via make contacts. The actuator has integrated current detection that measures the load current on each channel. All 230 V switch outputs can be operated with manual switches. With integrated bus coupling unit.

A green LED indicates that the device is ready for operation once the application has been loaded. The load is connected with screw terminals.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software functions: Operation as break contact or make contact. Staircase lighting function with/without manual OFF function and switch-off warning. Delay functions. Scenes. Logic function. Blocking or priority control. Feedback function. Status. Central function with delay. Parameterisation for bus voltage failure and recovery. Behaviour for download.

Current detection function: Behaviour when value exceeds/falls short of the threshold value.

Energy, operating and switch on counter with limit value monitoring.

Flash function.

Nominal voltage: AC 100-240 V $\pm 10\%$

DC 12-24 V, 0.1-16 A

Operating voltage: min. AC 90 V - max. AC 265 V

Mains frequency: 50-60 Hz $\pm 10\%$

For each switching contact:

Switching current: 16 A, $\cos\phi = 0.6$

AC1 operation: max. 16 A

AC3 operation: max. 10 A

AC5 operation: max. 16 A

DC current switching capacity: max. 16 A / 24 V DC

Output life endurance:

Mechanical: $>10^6$

AC1/AC3/AC5 operation: $>3 \times 10^4$

230V, 1A resistive: $>8 \times 10^5$

Nominal load

Incandescent lamps: AC 100 V, max. 1600 W

AC 230 V, max. 3600 W

AC 240 V, max. 3840 W

Halogen lamps: AC 100 V, max. 1086 W

AC 230 V, max. 2500 W

AC 240 V, max. 2608 W

Fluorescent lamps: AC 100 V, max. 1086 VA

AC 230 V, max. 2500 VA

AC 240 V, max. 2608 VA

parallel-compensated

Capacitive load: AC 230 V, 16 A, max. 200 μF

Motor load: AC 100 V, max. 434 W

AC 230 V, max. 1000 W

AC 240 V, max. 1043 W

Minimum switching performance: 100 mA/12 V AC/DC

Maximum peak inrush-current:

150 μs : 600 A

250 μs : 480 A

600 μs : 300 A

Current detection (load current):

Detection range: 0.1 A to 16 A (sine effective value or DC)

Sensing accuracy: +/- 8% of the current value at hand (sine) and +/- 100 mA

Frequency: 50/60 Hz, for alternating current (AC)

Description: 100 mA

Device width: 8 modules = approx. 144 mm

Contents: With bus connecting terminal and cable cover.

Switch Actuators

DIN Rail



SpaceLogic KNX Switch actuator REG-K/12x230/16 with manual mode



Version	Art. no.
light grey	MTN648493

For independent switching of 12 loads via make contacts. All 230 V switch outputs can be operated with manual switches. With integrated bus coupler.

The device is connected to the mains via screw terminals; every second L connection is bridged internally. A green LED indicates readiness for operation after the application has been loaded.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software functions: Operation as break or make contact, delay functions for each channel, staircase lighting function with/without manual OFF function, cut-out warning for staircase lighting function, blocking and additional logic operation or priority control, scenes, status feedback function per channel, central function, comprehensive parameterisation for bus voltage failure and recovery, parameterisable download behaviour.

Nominal voltage: 230 V AC, 50-60 Hz

For each switching contact: Switching current: 16 A, $\cos\phi = 0.6$

AC1 operation: max. 16 A

AC3 operation: max. 10 A

AC5 operation: max. 16 A

DC current switching capacity: max. 16 A/ 24 V DC

Output life endurance:

Mechanical: $>10^6$

AC1/AC3/AC5 operation: $>3 \times 10^4$

230V, 1A resistive: $>8 \times 10^5$ **Incandescent lamps:** 230 V AC, max. 3600 W

Halogen lamps: 230 V AC, max. 2500 W

Fluorescent lamps: AC 230 V, max. 2500 VA

Capacitive load: 230 V AC, 16 A, max. 200 μF

Minimum switching performance: 100 mA/12 V AC/DC

Maximum peak inrush-current:

150 μs : 600 A

250 μs : 480 A

600 μs : 300 A

Device width: 12 modules = approx. 216 mm

Contents: With bus connecting terminal and cable cover.

Switch Actuators

DIN Rail



SpaceLogic KNX Switch actuator REG-K/12x230/16 with manual mode and current detection



Version	Art. no.
light grey	MTN648495

For independently switching 12 loads via make contacts. The actuator has integrated current detection that measures the load current on each channel. All 230 V switch outputs can be operated with manual switches. With integrated bus coupling unit.

A green LED indicates that the device is ready for operation once the application has been loaded. The load is connected with screw terminals.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software functions: Operation as break contact or make contact. Staircase lighting function with/without manual OFF function and switch-off warning. Delay functions. Scenes. Logic function. Blocking or priority control. Feedback function. Status. Central function with delay. Parameterisation for bus voltage failure and recovery. Behaviour for download.

Current detection function: Behaviour when value exceeds/falls short of the threshold value.

Energy, operating and switch on counter with limit value monitoring.

Flash function.

Nominal voltage: AC 100-240 V $\pm 10\%$

DC 12-24 V, 0.1-16 A

Operating voltage: min. AC 90 V - max. AC 265 V

Mains frequency: 50-60 Hz $\pm 10\%$

For each switching contact:

Switching current: 16 A, $\cos\phi = 0.6$

AC1 operation: max. 16 A

AC3 operation: max. 10 A

AC5 operation: max. 16 A

DC current switching capacity: max. 16 A/ 24 V DC

Output life endurance:

Mechanical: $>10^6$

AC1/AC3/AC5 operation: $>3 \times 10^4$

230V, 1A resistive: $>8 \times 10^5$

Nominal load

Incandescent lamps: AC 100 V, max. 1600 W

AC 230 V, max. 3600 W

AC 240 V, max. 3840 W

Halogen lamps: AC 100 V, max. 1086 W

AC 230 V, max. 2500 W

AC 240 V, max. 2608 W

Fluorescent lamps: AC 100 V, max. 1086 VA

AC 230 V, max. 2500 VA

AC 240 V, max. 2608 VA

parallel-compensated

Capacitive load: AC 230 V, 16 A, max. 200 μF

Motor load: AC 100 V, max. 434 W

AC 230 V, max. 1000 W

AC 240 V, max. 1043 W

Minimum switching performance: 100 mA/12 V AC/DC

Maximum peak inrush-current:

150 μs : 600 A

250 μs : 480 A

600 μs : 300 A

Current detection (load current):

Detection range: 0.1 A to 16 A (sine effective value or DC)

Sensing accuracy: +/- 8% of the current value at hand (sine) and +/- 100 mA









Frequency: 50/60 Hz, for alternating current (AC)

Description: 100 mA

Device width: 12 modules = approx. 216 mm

Contents: With bus connecting terminal and cable cover.

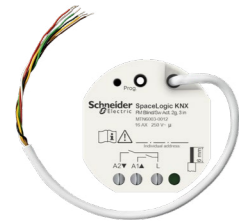
Blind Actuators Overview

	SpaceLogic KNX, Secure, Switch/Blind Master	SpaceLogic KNX Switch/Blind Master	SpaceLogic KNX Switch/Blind Extension		SpaceLogic KNX Blind actuator REG-K/4x24/6 with manual mode	SpaceLogic KNX Blind actuator REG-K/x/10 with manual mode	SpaceLogic KNX Blind actuator REG-K/8x/10 with manual mode		
Article number	 MTN6705-0008S	 MTN6705-0008	 MTN6805-0008		 MTN648704	 MTN649802  MTN649804	 MTN649808		
KNX Secure certified 	■	—			—	—	—		
Number of channels	8	8	8		4	2 4	8		
Device width	4 modules	4 modules	4 modules		4 modules	4 modules	8 modules		
Manual mode push-buttons	■	■	■		■	■	■		
Connecting terminal (consumer load)	Screw terminals	Screw terminals	Screw terminals		Plug-in screw terminals	Plug-in screw terminals	Plug-in screw terminals		
Nominal voltage, AC, 50-60 Hz	AC 250 V	AC 250 V	AC 250 V		—	AC 100-240 V	AC 230 V		
Nominal voltage, DC	—	—	—		DC 24 V, ±10 %	—	—		
Nominal current	16 AAC-1, IEC 60947-4-1 10 A, IEC 60669-2-5	16 AAC-1, IEC 60947-4-1 10 A, IEC 60669-2-5	16 AAC-1, IEC 60947-4-1 10 A, IEC 60669-2-5		6 A	10 A, cosφ = 0,6	10 A, cosφ = 0,6		
Auxiliary power (optional)	—	—	—		—	—	AC 110-240 V, 50-60 Hz, max. 2 VA		
Software									
Configuration switching or blind	■	■	The software functions are provided by the master device				—	—	
Defining blind type	■	■					—	■	■
Slat functionality	■	■					■	■	■
Calibration (reference movement)	■	■					■	■	■
Movement range limit	■	■					■	■	■
Pause on reverse on change in direction	■	■					■	■	■
Extended drive parameters	■	■					■	■	■
Control by ■ manual mode via the push-buttons of the actuator ■ automatic objects or preset objects ■ manual operation via objects	■ ■ ■	■ ■ ■					■ ■ ■	■ ■ ■	■ ■ ■
Manual mode enable/disable when bus voltage fails	—	—					—	—	■ (Precondition: auxiliary power)
Locking manual operation via objects	■	■					■	■	■
Weather alarm functions ■ Wind alarm ■ Rain alarm ■ Frost alarm ■ Set the order of priority ■ Behaviour at start/end of the wether alarm	3 1 1 ■ ■	3 1 1 ■ ■	3 1 1 ■ ■	3 1 1 ■ ■	3 1 1 ■ ■				
Alarm functions ■ Behavior at the start/end of the alarm	■	■	■	■	■				
Set the order of priority for higher-level functions (alarm, weather alarm, locking, movement range)	■	■	■	■	■				
Scenes	16	16	5	5	5				
Disable function ■ Behavior at the start/end of the locking	■	■	■	■	■				
Behaviour of bus voltage failure / bus voltage recovery / download	■ / ■ / ■	■ / ■ / ■	■ / ■ / ■	■ / ■ / ■	■ / ■ / ■				
Status messages ■ Hight ■ Slat ■ Automatic ■ Drive locking or movement range limit	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■				
Line monitoring (sending live signal)	■	■	—	—	—				
Energy saving function	■	■	—	—	—				

Blind Actuators

Flush-Mounted

Flush-Mounted



SpaceLogic KNX Flush Mounted Blind/Switch actuator 2g with 3 binary inputs



Version

Art. no.

MTN6003-0012

1-gang blind actuator or 2-gang switch actuator with three binary inputs for installation in a size 60 switch box. Floating contacts can be connected to the three inputs. Optionally, an NTC temperature sensor can be connected to the third input.

The inputs and the KNX are connected via a 6-core, approx. 30 cm long, connecting cable. The connecting cable for the inputs can be extended to a max. of 10 m.

KNX Secure compatible

KNX software functions: Blind actuator function:

Operation mode: Blinds, roller shutters, awnings or ventilation flaps. Raising or lowering times with extension for the upper limit position. Status feedback of the position or of the slat position. Active/passive status feedback, cycl. status feedback function. Up to 5 safety functions (3 wind alarms, 1 rain alarm, 1 frost alarm). Cycl. monitoring. Sun protection function with fixed and variable positions. Shading controls with heating/cooling automatic mode and presence function. Behaviour when bus voltage fails/recovers. Status feedback delay after bus voltage recovery. Priority function. Scene function (64). Memory function for scenes.

Input function:

Free assignment of the switching, dimming, blind and valuator functions. Locking object. Behaviour when bus voltage recovers. Temperature, Brightness, Color temperature, Switching: two switch objects per input. Command on rising/falling edge (ON, OFF, TOGGLE, no reaction).

Dimming: Single surface and dual-surface operation. Time between dimming and switching and dim step values. Telegram repetition and send stop telegram.

Blinds: Command on rising edge (none, UP, DOWN, TOGGLE), Operation concept (Step - Move - Step or Move - Step). Time between short and long operation. Slat adjustment time. Valuator and Scene ext. input: Edge (push-button as make contact, push-button as break contact, switch) and value on edge. Value adjustment via long push-button action for valuator. Scene ext. unit with memory function.

Logic module:

Logic operation, Converter, Blocking element, Comparator, Limit value

Nominal voltage: AC 230 V

Nominal current: Σ 16 A, ohmic load

Switch contact: Make contact, floating relay contact

Nominal output

Motor: AC 230 V, max. 1380 W

Incandescent lamps: AC 230 V, max. 2500 W

Halogen lamps: AC 230 V, max. 2500 W

HV LED lamps: AC 230 V, max. 400 W

Ohmic load: AC 230 V, 3000 W

Capacitive load: AC 230 V, 16 A, max. 140 μ F

LV halogen lamps: max. 1200 VA, wound transformer

max. 1500 W, electronic transformers

Fluorescent lamps: AC 230 V, max. 1000 W, uncompensated

AC 230 V, max. 1160 W (140 μ F) with parallel compensation

Inputs: 3

Temperature range: -5 °C to 45 °C

Dimensions: 48x50x28 (WxHxD)

Note: For installation in a double box or an electronic box (Kaiser). There must be a minimum gap of 4mm between the 230V connection and the connection for the KNX/Inputs (SELV)

Blind Actuators

DIN Rail

DIN Rail



SpaceLogic KNX Blind actuator REG-K/2x/10 with manual mode



Version

Art. no.

light grey

MTN649802

For independent control of 2 blind/roller shutter drives. The function of the blind channels is freely configurable. All blind outputs can be operated manually using push-button operation. Channel status display via LEDs. A green LED indicates readiness for operation.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software functions: Blind functions: Blind type. Running time. Idle time. Step interval. Differentiated disable functions and weather alarms. 8-bit positioning for height and slat. Scenes. Manual/automatic mode. Differentiated status and status feedback functions.

For each blind output:

Nominal voltage: AC 100-240 V \pm 10%

Operating voltage: min. AC 90 V - max. AC 265 V

Mains frequency: 50-60 Hz \pm 10%

Nominal current: 10 A, inductive load $\cos\phi = 0.6$

Motor load: AC 100 V, max. 434 W

AC 230 V, max. 1000 W

AC 240 V, max. 1043 W

Device width: 4 modules = approx. 72 mm

Contents: With bus connecting terminal and cable cover.



SpaceLogic KNX Blind actuator REG-K/4x24/6 with manual mode



Version

Art. no.

light grey

MTN648704

For independent control of 4 blind/roller shutter drives. The function of the blind channels is freely configurable. All blind outputs can be operated manually using push-button operation. Channel status display via LEDs. A green LED indicates readiness for operation.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software functions: Blind functions: Blind type. Running time. Idle time. Step interval. Differentiated disable functions and weather alarms. 8-bit positioning for height and slat. Scenes. Manual/automatic mode. Differentiated status and status feedback functions.

For each blind output:

Nominal voltage: DC 24 V \pm 10 %

Nominal current: 6 A

Load types: 24 V direct current drives

Device width: 4 modules = approx. 72 mm

Contents: With bus connecting terminal and cable cover.

Blind Actuators

DIN Rail



SpaceLogic KNX Blind actuator REG-K/4x/10 with manual mode



Version Art. no.

light grey **MTN649804**

For independent control of 4 blind/roller shutter drives. The functions of the blind channels is freely configurable. All blind outputs can be operated manually using push-button operation. Channel status display via LEDs. A green LED indicates readiness for operation. With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software functions: Blind functions: Blind type. Running time. Idle time. Step interval. Differentiated disable functions and weather alarms. 8-bit positioning for height and slat. Scenes. Manual/automatic mode. Differentiated status and status feedback functions.

For each blind output:

Nominal voltage: AC 100-240 V $\pm 10\%$

Operating voltage: min. AC 90 V - max. AC 265 V

Mains frequency: 50-60 Hz $\pm 10\%$

Nominal current: 10 A, inductive load $\cos\phi = 0.6$

Motor load: AC 100 V, max. 434 W

AC 230 V, max. 1000 W

AC 240 V, max. 1043 W

Device width: 4 modules = approx. 72 mm

Contents: With bus connecting terminal and cable cover.



SpaceLogic KNX Blind actuator REG-K/8x/10 with manual mode



Version Art. no.

light grey **MTN649808**

For independent control of 8 blind/roller shutter drives. The functions of the blind channels is freely configurable. All blind outputs can be operated manually using push-buttons. Channel status display via LEDs. A green LED indicates readiness for operation. With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software functions: Blind functions: Blind type. Running time. Idle time. Step interval. Differentiated disable functions and weather alarms. 8-bit positioning for height and slat. Scenes. Manual/automatic mode. Differentiated status and status feedback functions.

For each blind output:

Nominal voltage: AC 230 V, 50 - 60 Hz

Nominal current: 10 A, $\cos\phi = 0.6$

Motor load: AC 230 V, max. 1000 W

External auxiliary voltage (optional): AC 110-240 V, 50-60 Hz, max. 2 VA

Device width: 8 modules = approx. 144 mm

Contents: With bus connecting terminal and cable cover.

Blind/Switch Actuators

DIN Rail

DIN Rail



SpaceLogic KNX, Secure, Switch/Blind Master



Version Art. no.

white **MTN6705-0008S** **New**

This device is KNX Secure certified.

For independent control of up to 4 blind/roller shutter drives or for switching up to 8 loads via make contacts. The function of the blind or switching channels is freely configurable. All blind/switch outputs can be operated manually using push-buttons.

The number of channels can be increased by connecting SpaceLogic KNX Switch/Blind Extensions. A maximum of 2 Extensions can be connected to the Master, so up to 24 loads can be switched or 12 blind drives can be controlled. The Master controls the Extensions, their power supply and communication with the bus.

Operating elements: Push-buttons for switching to manual operation, for choosing the device to be operated (Master and Extensions) and for channel control.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX Secure compatible: The actuator supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.

General KNX software functions: Energy saving, device safety, device health, manual operation, PIN code for firmware update.

Blind actuator functions: Running time, idle time, step interval, locking function, movement range limits, weather alarm, 8-bit positioning for height and slats, scenes, status and feedback function.

Switch actuator functions: Operation as break contact/make contact, programmable behaviour for download, delay functions for each channel, staircase lighting function with/without manual OFF function, switch-off prewarning for staircase lighting function, scenes, central function, locking function, logic operation or priority control, switching cycle counter, status feedback function for each channel.

Supply voltage: KNX bus, approx. 6.5 mA (Master), approx. 9 mA (Master + 1 Extension), approx. 12.5 mA (Master + 2 Extensions)

Nominal voltage: AC 250 V, 50-60 Hz

Nominal current: 16 A AC-1, IEC 60947-4-1 / 10 A, IEC 60669-2-5

For each blind output:

Motor load: 1000 VA

For each switch output:

Nominal load

Incandescent lamps: 2300 W

Halogen lamps: 2300 W

LED: 200 W

Capacitive load: 10 AX, max. 140 μF

Inductive load: 10 A, $\cos\phi = 0.6$

Relay data - inrush current: max. 800 A/200 μs , max. 165 A/20 ms

Device width: 4 modules = approx. 72 mm

Accessories: SpaceLogic KNX Switch/Blind Extension MTN6805-0008, SpaceLogic KNX Module Link MTN6941-0000, SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002.

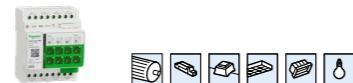
Contents: With bus connecting terminal.

Blind/Switch Actuators

DIN Rail



SpaceLogic KNX Switch/Blind Master



Version	Art. no.
white	MTN6705-0008 Discontinued

For independent control of up to 4 blind/roller shutter drives or for switching up to 8 loads via make contacts. The function of the blind or switching channels is freely configurable. All blind/switch outputs can be operated manually using push-buttons.

The number of channels can be increased by connecting SpaceLogic KNX Switch/Blind Extensions. A maximum of 2 Extensions can be connected to the Master, so up to 24 loads can be switched or 12 blind drives can be controlled. The Master controls the Extensions, their power supply and communication with the bus.

Operating elements: Push-buttons for switching to manual operation, for choosing the device to be operated (Master and Extensions) and for channel control.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

General KNX software functions: Energy saving, device safety, device health, manual operation, PIN code for firmware update.

Blind actuator functions: Running time, idle time, step interval, locking function, movement range limits, weather alarm, 8-bit positioning for height and slats, scenes, status and feedback function.

Switch actuator functions: Operation as break contact/make contact, programmable behaviour for download, delay functions for each channel, staircase lighting function with/without manual OFF function, switch-off prewarning for staircase lighting function, scenes, central function, locking function, logic operation or priority control, status feedback function for each channel.

Supply voltage: KNX bus, approx. 6.5 mA (Master), approx. 9 mA (Master + 1 Extension), approx. 12.5 mA (Master + 2 Extensions)

Nominal voltage: AC 250 V, 50-60 Hz

Nominal current: 16 AAC-1, IEC 60947-4-1 / 10 A, IEC 60669-2-5

For each blind output:

Motor load: 1000 VA

For each switch output:

Nominal load

Incandescent lamps: 2300 W

Halogen lamps: 2300 W

LED: 200 W

Capacitive load: 10 AX, max. 140 µF

Inductive load: 10 A, $\cos\phi = 0.6$

Relay data - inrush current: max. 800 A/200 µs, max. 165 A/20 ms

Device width: 4 modules = approx. 72 mm

Accessories: SpaceLogic KNX Switch/Blind Extension MTN6805-0008, SpaceLogic KNX Module Link MTN6941-0000, SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002.

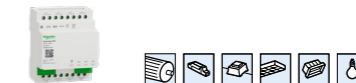
Contents: With bus connecting terminal.

Blind/Switch Actuators

DIN Rail



SpaceLogic KNX Switch/Blind Extension



Version	Art. no.
white	MTN6805-0008

The SpaceLogic KNX Switch/Blind Extension is a switch actuator that extends the channels of a SpaceLogic KNX Switch/Blind Master (Secure) or a SpaceLogic KNX Universal Dimming Master (Secure).

For independent control of up to 4 blind/roller shutter drives or for switching up to 8 loads via make contacts. The function of the blind or switching channels is freely configurable.

The ETS programming is carried out in the ETS application of the Master. The Master controls the function of the Extension, the power supply and communication to the KNX bus.

All outputs can be operated manually using the Master's keypad.

On the Extension a green LED indicates readiness for operation, a red manual operation LED shows whether the Extension is controlled manually.

For installation on DIN rails TH35 according to EN 60715. The connection to the Master or another Extension is made either with a Module Link or with a Cable Link.

KNX software functions: The functions are set in the KNX application of the Master

Supply voltage: via link interface

Nominal voltage: AC 250 V, 50-60 Hz

Nominal current: 16 AAC-1, IEC 60947-4-1 / 10 A, IEC 60669-2-5

For each blind output:

Motor load: 1000 VA

For each switch output:

Nominal load

Incandescent lamps: 2300 W

Halogen lamps: 2300 W

LED: 200 W

Capacitive load: 10 AX, max. 140 µF

Inductive load: 10 A, $\cos\phi = 0.6$

Relay data - inrush current: max. 800 A/200 µs, max. 165 A/20 ms

Device width: 4 modules = approx. 72 mm

In KNX, to be completed with: SpaceLogic KNX Switch/Blind Master MTN6705-0008/ MTN6705-0008S, SpaceLogic KNX Universal Dimming Master MTN6710-0102/

MTN6710-0102S

Accessories: SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002

Contents: With Module Link.



SpaceLogic KNX Cable Link S		SpaceLogic KNX Cable Link L	
Version	Art. no.	Version	Art. no.
30 cm	MTN6941-0001	150 cm	MTN6941-0002
The Cable Link connects Master/Extension or Extension/Extension that are not placed directly next to each other on the DIN rail. Length: 30 cm		The Cable Link connects Master/Extension or Extension/Extension that are not placed directly next to each other on the DIN rail. Length: 150 cm	



Version	Art. no.	Version	Art. no.
30 cm	MTN6941-0001	150 cm	MTN6941-0002

The Cable Link connects Master/Extension or Extension/Extension that are not placed directly next to each other on the DIN rail. Length: 30 cm

The Cable Link connects Master/Extension or Extension/Extension that are not placed directly next to each other on the DIN rail. Length: 150 cm

SpaceLogic KNX Module Link



Version	Art. no.
	MTN6940-0000

The Module Link connects Master/Extension or Extension/Extension that are placed directly next to each other on the DIN rail.

Hybrid Switch Actuators

DIN Rail

DIN Rail



SpaceLogic KNX Hybrid Switch Actuator REG-K/4x250/10 with manual mode



Version	Art. no.
4 channels, white	MTN6700-0104

For the Chinese market.

For independent switching of 4 loads or for controlling up to 2 blinds/roller shutters, 1 fan coil with 3 levels, two 2-pipe valve controls or one 4-pipe valve control. All functions are freely configurable and can be operated manually with a switch on the device. A green LED indicates readiness for operation after the application has been loaded. For mounting on DIN rails TH35 according to EN61715. The bus connection is made via a bus connection terminal.

General KNX software functions: Live signal, enabling safety priority function, central control of switching/curtains function, sending delay after bus voltage recovery

Switching actuator functions

Preset, Logic, Scene, Threshold, Safety, Forced, Locking, Central, Time function for each channel including delay, flashing and staircase timer, relay state after bus voltage failure/recovery/ETS download, object value of the Switch object after voltage recovery, status feedback for each channel

Heating actuator functions

PWM cycle time for continuous, 1 bit/1 byte control telegram, Valve protection, Safety, Locking, Forced, Cyclic surveillance, Operation as NC/NO, Valve position after bus voltage failure or recovery, Contact response value when contact is opened or closed

Power supply: KNX Bus

Rated current: 9 mA, maximum 20 mA/24 V

KNX power consumption: < 840 mW

Nominal voltage: AC 250 V, 50/60 Hz

Nominal power for each contact:

AC1 10 A operation ($\cos\phi = 0.8$) accord. with IEC 60947-4-1

AC3 6 A operation ($\cos\phi = 0.45$) accord. with IEC 60947-4-1

Incandescent lamp: 2500 W

Fluorescent lamp: 2500 W

Electronic transformer for extra low voltage lamps (e.g. halogen lamps): 1100 W

Iron core transformer for extra low voltage lamps (e.g. halogen lamps): 900 W

LED lamp: 300 W, $\cos\phi \geq 0.6$; 150 W, $0.5 \leq \cos\phi < 0.6$

Capacitive loads: 10 AX, 140 μ F

Motors: 1500 VA, $\cos\phi \geq 0.6$

Minimum switching current: 100 mA/12 V AC

Connection KNX: Bus connection terminal

Connection port mains: screw terminal blocks, 2x 6-gang

Relay data

Switching frequency at rated load: Maximum 60 operation/min

Mechanical service life: $>1 \times 10^6$

Inrush current: 320 A/2 ms

Protection type: IP20

Protection class: II

Insulation category: Overvoltage category III, pollution degree 2

Environmental conditions

Operating temperature: -5...+45 °C

Storage temperature: -25 ...+55 °C

Transport temperature: -25 ...+70 °C

Maximum humidity: 93 %, no condensation

Installation height: As high as 2000 m above sea level

Dimensions (WxHxD): 72x90x64 mm

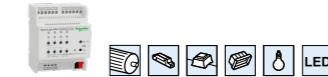
Contents: With bus connecting terminal and cable cover.

Hybrid Switch Actuators

DIN Rail



SpaceLogic KNX Hybrid Switch Actuator REG-K/8x250/10 with manual mode



Version	Art. no.
8 channels, white	MTN6700-0108

For the Chinese market.

For independent switching of 8 loads or for controlling up to 4 blinds/roller shutters, 2 fan coils with 3 levels, four 2-pipe valve controls or two 4-pipe valve control. All functions are freely configurable and can be operated manually with a switch on the device. A green LED indicates readiness for operation after the application has been loaded. For mounting on DIN rails TH35 according to EN61715. The bus connection is made via a bus connection terminal.

General KNX software functions: Live signal, enabling safety priority function, central control of switching/curtains function, sending delay after bus voltage recovery

Switching actuator functions

Preset, Logic, Scene, Threshold, Safety, Forced, Locking, Central, Time function for each channel including delay, flashing and staircase timer, relay state after bus voltage failure/recovery/ETS download, object value of the Switch object after voltage recovery, status feedback for each channel

Heating actuator functions

PWM cycle time for continuous, 1 bit/1 byte control telegram, Valve protection, Safety, Locking, Forced, Cyclic surveillance, Operation as NC/NO, Valve position after bus voltage failure or recovery, Contact response value when contact is opened or closed

Power supply: KNX Bus

Rated current: 10 mA max. 22 mA/24 V

KNX power consumption: < 840 mW

Nominal voltage: AC 250 V, 50/60 Hz

Nominal power for each contact:

AC1 10 A operation ($\cos\phi = 0.8$) accord. with IEC 60947-4-1

AC3 6 A operation ($\cos\phi = 0.45$) accord. with IEC 60947-4-1

Incandescent lamp: 2500 W

Fluorescent lamp: 2500 W

Electronic transformer for extra low voltage lamps (e.g. halogen lamps): 1100 W

Iron core transformer for extra low voltage lamps (e.g. halogen lamps): 900 W

LED lamp: 250 W, $\cos\phi \geq 0.6$; 100 W, $0.5 \leq \cos\phi < 0.6$

Capacitive loads: 10 AX, 140 μ F

Motors: 1500 VA, $\cos\phi \geq 0.6$

Minimum switching current: 100 mA/12 V AC

Connection KNX: Bus connection terminal

Connection port mains: screw terminal blocks, 8 channels: 3x 6-gang

Relay data

Switching frequency at rated load: Maximum 60 operation/min

Mechanical service life: $>1 \times 10^6$

Inrush current: 192 A/1.2 ms

Protection type: IP20

Protection class: II

Insulation category: Overvoltage category III, pollution degree 2

Environmental conditions

Operating temperature: -5...+45 °C

Storage temperature: -25 ...+55 °C

Transport temperature: -25 ...+70 °C

Maximum humidity: 93 %, no condensation

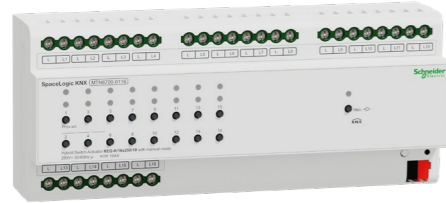
Installation height: As high as 2000 m above sea level

Dimensions (WxHxD): 72x90x64 mm

Contents: With bus connecting terminal and cable cover.

Hybrid Switch Actuators

DIN Rail



SpaceLogic KNX Hybrid Switch Actuator REG-K/16x250/10 with manual mode



Version	Art. no.
16 channels, white	MTN6700-0116

For the Chinese market.

For independent switching of 16 loads or for controlling up to 8 blinds/roller shutters, 4 fan coils with 3 levels, eight 2-pipe valve controls or four 4-pipe valve control. All functions are freely configurable and can be operated manually with a switch on the device. A green LED indicates readiness for operation after the application has been loaded. For mounting on DIN rails TH35 according to EN61715. The bus connection is made via a bus connection terminal.

General KNX software functions: Live signal, enabling safety priority function, central control of switching/curtains function, sending delay after bus voltage recovery

Switching actuator functions

Preset, Logic, Scene, Threshold, Safety, Forced, Locking, Central, Time function for each channel including delay, flashing and staircase timer, relay state after bus voltage failure/recovery/ETS download, object value of the Switch object after voltage recovery, status feedback for each channel

Heating actuator functions

PWM cycle time for continuous, 1 bit/1 byte control telegram, Valve protection, Safety, Locking, Forced, Cyclic surveillance, Operation as NC/NO, Valve position after bus voltage failure or recovery, Contact response value when contact is opened or closed

Power supply: KNX Bus

Rated current: 10 mA max. 26 mA/24 V

KNX power consumption: < 840 mW

Nominal voltage: AC 250 V, 50/60 Hz

Nominal power for each contact:

AC1 10 A operation ($\cos\phi = 0.8$) accord. with IEC 60947-4-1

AC3 6 A operation ($\cos\phi = 0.45$) accord. with IEC 60947-4-1

Incandescent lamp: 2500 W

Fluorescent lamp: 2500 W

Electronic transformer for extra low voltage lamps (e.g. halogen lamps): 1100 W

Iron core transformer for extra low voltage lamps (e.g. halogen lamps): 900 W

LED lamp: 300 W, $\cos\phi \geq 0.6$; 150 W, $0.5 \leq \cos\phi < 0.6$

Capacitive loads: 10 AX, 140 μF

Motors: 1500 VA, $\cos\phi \geq 0.6$

Minimum switching current: 100 mA/12 V AC

Connection KNX: Bus connection terminal

Connection port mains: screw terminal blocks, 4x 8-gang

Relay data

Switching frequency at rated load: Maximum 60 operation/min

Mechanical service life: $>1 \times 10^6$

Inrush current: 320 A/2 ms

Protection type: IP20

Protection class: II

Insulation category: Overvoltage category III, pollution degree 2

Environmental conditions

Operating temperature: -5...+45 °C

Storage temperature: -25 ...+55 °C

Transport temperature: -25 ...+70 °C

Maximum humidity: 93 %, no condensation

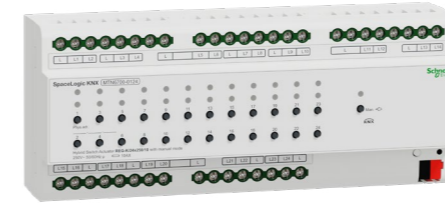
Installation height: As high as 2000 m above sea level

Dimensions (WxHxD): 216x90x64 mm

Contents: With bus connecting terminal and cable cover.

Hybrid Switch Actuators

DIN Rail



SpaceLogic KNX Hybrid Switch Actuator REG-K/24x250/10 with manual mode



Version	Art. no.
24 channels, white	MTN6700-0124

For the Chinese market.

For independent switching of 24 loads or for controlling up to 12 blinds/roller shutters, 6 fan coils with 3 levels, twelve 2-pipe valve controls or six 4-pipe valve control. All functions are freely configurable and can be operated manually with a switch on the device. A green LED indicates readiness for operation after the application has been loaded. For mounting on DIN rails TH35 according to EN61715. The bus connection is made via a bus connection terminal.

General KNX software functions: Live signal, enabling safety priority function, central control of switching/curtains function, sending delay after bus voltage recovery

Switching actuator functions

Preset, Logic, Scene, Threshold, Safety, Forced, Locking, Central, Time function for each channel including delay, flashing and staircase timer, relay state after bus voltage failure/recovery/ETS download, object value of the Switch object after voltage recovery, status feedback for each channel

Heating actuator functions

PWM cycle time for continuous, 1 bit/1 byte control telegram, Valve protection, Safety, Locking, Forced, Cyclic surveillance, Operation as NC/NO, Valve position after bus voltage failure or recovery, Contact response value when contact is opened or closed

Power supply: KNX Bus

Rated current: 12 mA max. 28 mA/24 V

KNX power consumption: < 840 mW

Nominal voltage: AC 250 V, 50/60 Hz

Nominal power for each contact:

AC1 10 A operation ($\cos\phi = 0.8$) accord. with IEC 60947-4-1

AC3 6 A operation ($\cos\phi = 0.45$) accord. with IEC 60947-4-1

Incandescent lamp: 2500 W

Fluorescent lamp: 2500 W

Electronic transformer for extra low voltage lamps (e.g. halogen lamps): 1100 W

Iron core transformer for extra low voltage lamps (e.g. halogen lamps): 900 W

LED lamp: 300 W, $\cos\phi \geq 0.6$; 150 W, $0.5 \leq \cos\phi < 0.6$

Capacitive loads: 10 AX, 140 μF

Motors: 1500 VA, $\cos\phi \geq 0.6$

Minimum switching current: 100 mA/12 V AC

Connection KNX: Bus connection terminal

Connection port mains: screw terminal blocks, 5x 8-gang

Relay data

Switching frequency at rated load: Maximum 60 operation/min

Mechanical service life: $>1 \times 10^6$

Inrush current: 320 A/2 ms

Protection type: IP20

Protection class: II

Insulation category: Overvoltage category III, pollution degree 2

Environmental conditions

Operating temperature: -5...+45 °C

Storage temperature: -25 ...+55 °C

Transport temperature: -25 ...+70 °C

Maximum humidity: 93 %, no condensation

Installation height: As high as 2000 m above sea level

Dimensions (WxHxD): 216x90x64 mm

Contents: With bus connecting terminal and cable cover.

Hybrid Switch Actuators

DIN Rail



SpaceLogic KNX Switch Actuator REG-K/4x250/20 with manual mode



Version	Art. no.
4 channels, white	MTN6700-0304

For the Chinese market.

The actuator is used for switching 4 loads, or can be used as a 4-channel heating actuator for valves (without heating controller). A green LED indicates readiness for operation after the application has been loaded. For mounting on DIN rails TH35 according to EN61715. The bus connection is made via a bus connection terminal.

General KNX software functions: Live signal, enabling safety priority function, central control of switching/curtains function, sending delay after bus voltage recovery

Switching actuator functions:

Preset, Logic, Scene, Threshold, Safety, Forced, Locking, Central, Time function for each channel including delay, flashing and staircase timer, relay state after bus voltage failure/recovery/ETS download, object value of the Switch object after voltage recovery, status feedback for each channel

Heating actuator functions

PWM cycle time for continuous, 1 bit/1 byte control telegram, Valve protection, Safety, Locking, Forced, Cyclic surveillance, Operation as NC/NO, Valve position after bus voltage failure or recovery, Contact response value when contact is opened or closed

Power supply: KNX Bus

Rated current: 6.5 mA, max. 19 mA/24 V

KNX power consumption: < 600 mW

Nominal voltage: AC 250 V, 50/60 Hz

Nominal power for each contact:

AC1 20 A operation ($\cos\phi = 0.8$) accord. with IEC 60947-4-1

AC3 16 A operation ($\cos\phi = 0.45$) accord. with IEC 60947-4-1

Incandescent lamp: 4000 W

Fluorescent lamp: 4000 W

Electronic transformer for extra low voltage lamps (e.g. halogen lamps): 3000 W

Iron core transformer for extra low voltage lamps (e.g. halogen lamps): 2200 W

LED lamp: 750 W, $\cos\phi \geq 0.6$; 350 W, $0.5 \leq \cos\phi < 0.6$

Capacitive loads: 20 AX, 200 μ F

Motors: 4000 VA, $\cos\phi \geq 0.6$

Minimum switching current: 100 mA/12 V AC

Connection port KNX: Bus connection terminal

Connection port Mains: Screw terminal blocks, 1x8-gang

Relay data

Switching frequency at rated load: for one channel: 60 operations/min

for all channels: 30 operations/min

Mechanical service life: $> 1 \times 10^6$

Inrush current: 480 A/2100 μ s

Protection type: IP20

Protection class: II

Insulation category: Overvoltage category III, pollution degree 2

Environmental conditions

Operating temperature: -5...+45 °C

Storage temperature: -25 ...+55 °C

Transport temperature: -25 ...+70 °C

Maximum humidity: 93 %, no condensation

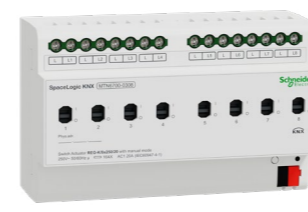
Installation height: As high as 2000 m above sea level

Product dimensions (WxHxD): 4 channels: 72 x 90 x 64 mm

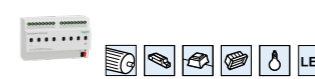
Contents: With bus connecting terminal and cable cover.

Hybrid Switch Actuators

DIN Rail



SpaceLogic KNX Switch Actuator REG-K/8x250/20 with manual mode



Version	Art. no.
8 channels, white	MTN6700-0308

For the Chinese market.

The actuator is used for switching 8 loads, or can be used as a 8-channel heating actuator for valves (without heating controller). A green LED indicates readiness for operation after the application has been loaded. For mounting on DIN rails TH35 according to EN61715. The bus connection is made via a bus connection terminal.

General KNX software functions: Live signal, enabling safety priority function, central control of switching/curtains function, sending delay after bus voltage recovery

Switching actuator functions:

Preset, Logic, Scene, Threshold, Safety, Forced, Locking, Central, Time function for each channel including delay, flashing and staircase timer, relay state after bus voltage failure/recovery/ETS download, object value of the Switch object after voltage recovery, status feedback for each channel

Heating actuator functions

PWM cycle time for continuous, 1 bit/1 byte control telegram, Valve protection, Safety, Locking, Forced, Cyclic surveillance, Operation as NC/NO, Valve position after bus voltage failure or recovery, Contact response value when contact is opened or closed

Power supply: KNX Bus

Rated current: 6.5 mA, max. 19 mA/24 V

KNX power consumption: < 600 mW

Nominal voltage: AC 250 V, 50/60 Hz

Nominal power for each contact:

AC1 20 A operation ($\cos\phi = 0.8$) accord. with IEC 60947-4-1

AC3 16 A operation ($\cos\phi = 0.45$) accord. with IEC 60947-4-1

Incandescent lamp: 4000 W

Fluorescent lamp: 4000 W

Electronic transformer for extra low voltage lamps (e.g. halogen lamps): 3000 W

Iron core transformer for extra low voltage lamps (e.g. halogen lamps): 2200 W

LED lamp: 750 W, $\cos\phi \geq 0.6$; 350 W, $0.5 \leq \cos\phi < 0.6$

Capacitive loads: 20 AX, 200 μ F

Motors: 4000 VA, $\cos\phi \geq 0.6$

Minimum switching current: 100 mA/12 V AC

Connection port KNX: Bus connection terminal

Connection port Mains: Screw terminal blocks, 2x8-gang

Relay data

Switching frequency at rated load: for one channel: 60 operations/min

for all channels: 8 channels 20 operations/min

Mechanical service life: $> 1 \times 10^6$

Inrush current: 480 A/2100 μ s

Protection type: IP20

Protection class: II

Insulation category: Overvoltage category III, pollution degree 2

Environmental conditions

Operating temperature: -5...+45 °C

Storage temperature: -25 ...+55 °C

Transport temperature: -25 ...+70 °C

Maximum humidity: 93 %, no condensation

Installation height: As high as 2000 m above sea level

Product dimensions (WxHxD): 8 channels: 144 x 90 x 64 mm

Contents: With bus connecting terminal and cable cover.

Hybrid Switch Actuators

DIN Rail



SpaceLogic KNX Switch Actuator REG-K/12x250/20 with manual mode



Version	Art. no.
12 channels, white	MTN6700-0312

For the Chinese market.

The actuator is used for switching 12 loads, or can be used as a 12-channel heating actuator for valves (without heating controller).

A green LED indicates readiness for operation after the application has been loaded.

For mounting on DIN rails TH35 according to EN61715. The bus connection is made via a bus connection terminal.

General KNX software functions: Live signal, enabling safety priority function, central control of switching/curtains function, sending delay after bus voltage recovery

Switching actuator functions:

Preset, Logic, Scene, Threshold, Safety, Forced, Locking, Central, Time function for each channel including delay, flashing and staircase timer, relay state after bus voltage failure/recovery/ETS download, object value of the Switch object after voltage recovery, status feedback for each channel

Heating actuator functions

PWM cycle time for continuous, 1 bit/1 byte control telegram, Valve protection, Safety, Locking, Forced, Cyclic surveillance, Operation as NC/NO, Valve position after bus voltage failure or recovery, Contact response value when contact is opened or closed

Power supply:

KNX Bus
Rated current: 6.5 mA, max. 19 mA/24 V

KNX power consumption: < 600 mW

Nominal voltage: AC 250 V, 50/60 Hz

Nominal power for each contact:

AC1 20 A operation (cosφ = 0.8) accord. with IEC 60947-4-1

AC3 16 A operation (cosφ = 0.45) accord. with IEC 60947-4-1

Incandescent lamp: 4000 W

Fluorescent lamp: 4000 W

Electronic transformer for extra low voltage lamps (e.g. halogen lamps): 3000 W

Iron core transformer for extra low voltage lamps (e.g. halogen lamps): 2200 W

LED lamp: 750 W, cosφ ≥ 0.6; 350 W, 0.5 ≤ cosφ < 0.6

Capacitive loads: 20 AX, 200 μF

Motors: 4000 VA, cosφ ≥ 0.6

Minimum switching current: 100 mA/12 V AC

Connection port KNX: Bus connection terminal

Connection port Mains: Screw terminal blocks, 3x8-gang

Relay data

Switching frequency at rated load: for one channel: 60 operations/min

for all channels: 12 operations/min

Mechanical service life: > 1x10⁶

Inrush current: 480 A/2100 μs

Protection type: IP20

Protection class: II

Insulation category: Overvoltage category III, pollution degree 2

Environmental conditions

Operating temperature: -5...+45 °C

Storage temperature: -25...+55 °C

Transport temperature: -25...+70 °C

Maximum humidity: 93 %, no condensation

Installation height: As high as 2000 m above sea level






Product dimensions (WxHxD): 12 channels 216 x 90 x 64 mm

Contents: With bus connecting terminal and cable cover.

Hybrid Switch Actuators

DIN Rail





Dimming Actuators Overview

	SpaceLogic KNX, Secure, Dimmer Master	SpaceLogic KNX Universal Dimming Master		SpaceLogic KNX Universal Dimming Extension	SpaceLogic KNX Universal dimming actuator LL REG-K/4x230/250 W
Article number	 MTN6710-0102S	 MTN6710-0102		 MTN6810-0102	 MTN6710-0004
KNX Secure certified 	■	—			—
Number of channels	2	2		2	4
Device width	4 modules	4 modules		4 modules	8 modules
Manual operation push-buttons	■	■		■	■
Connecting terminal (consumer load)	Screw terminals	Screw terminals		Screw terminals	Plug-in screw terminals
Nominal voltage	AC 110 - 240 V 50/60 Hz	AC 110 - 240 V 50/60 Hz		AC 110 - 240 V 50/60 Hz	AC 110 - 130 V AC 220 - 230 V 50/60 Hz
Halogen load at 230 V					
■ Configuration of 4 channels	—	—		—	4 x 250 W/VA
■ Configuration of 3 channels	—	—		—	1 x 350 W/VA, 2 x 250 W/VA
■ Configuration of 2 channels	2x 350 W	2x 350 W		2x 350 W	2x350 W/VA (230V)
■ Configuration of 1 channel	1x 350 W	1x 350 W		1x 350 W	1x350 W/VA (230V)
Minimum resistive load	—	—		—	4 W
Minimum resistive-inductive load	—	—		—	25 VA
Minimum resistive-capacitive load	—	—		—	4 W
Automatic load detection / leading edge (RL-LED, ESL, CFL)	■ / ■	■ / ■		■ / ■	■ / ■
Connection of different Phases	■	■		■	■
Relay for load separation	—	—		—	■
Input for extension unit operation, lockable (switching, staircase lighting function)	—	—		—	—
Software					
Manual operation enable/disable via bus					■
Dimming function					
■ Minimum dimming value / Maximum dimming value	■ / ■	■ / ■			■ / ■
■ Starting behav. / Memory function / 50% brightness (ESL/CFL)	■ / ■ / ■	■ / ■ / ■			■ / ■ / ■
■ Dimming object switches channel	■	■			■
■ Value object switches channel	■	■			■
■ Same dimming time at central function and scenes	■	■			■
■ Delay times for ON and OFF	■	■			■
■ Base dimming curve with 3 thresholds	■	■			■
■ Dimming time reduction via object	■	■			■
■ 4 preconfigured dimming sets for the dimming time reduction*	■	■			■
Staircase lighting function with/without manual OFF					
■ Retriggerable	■	■			■
■ Not retriggerable	■	■			■
■ Time addable	■	■			■
■ Prewarn	■	■			■
Scenes (1 byte)					8
Central function	■	■			■
Operating hours	■	—			—
Firmware update (USB/TP)	■ / ■	■ / —			— / —

The software functions are provided by the master device

*4 switchable speed sets with 6 values. This corresponds to 24 storable dimming speeds for: Switch on, switch off staircase timer, dim, values, scenes, higher priority functions.

Dimming Actuators Overview

	SpaceLogic KNX, Secure, Dimmer Master	SpaceLogic KNX Universal Dimming Master		SpaceLogic KNX Universal Dimming Extension	SpaceLogic KNX Universal dimming actuator LL REG-K/4x230/250 W
Article number	 MTN6710-0102S	 MTN6710-0102		 MTN6810-0102	 MTN6710-0004
Firmware version visible in ETS application	■	—			—
Higher priority function	<ul style="list-style-type: none"> ■ Disable function ■ Logic operation or priority function 	<ul style="list-style-type: none"> ■ Disable function ■ Logic operation or priority function 			<ul style="list-style-type: none"> ■ Disable function ■ Logic operation or priority function
Logic operation <ul style="list-style-type: none"> ■ AND, OR ■ Switch object has an inverted impact to the logic operation 		<ul style="list-style-type: none"> ■ ■ 			<ul style="list-style-type: none"> ■ ■
Disable function <ul style="list-style-type: none"> ■ Behaviour of locking after bus voltage recovery ■ Behavior at the start/end of the locking 		<ul style="list-style-type: none"> ■ ■ 		The software functions are provided by the master device	<ul style="list-style-type: none"> ■ ■
Behaviour of <ul style="list-style-type: none"> ■ main voltage recovery ■ bus voltage recovery ■ download ■ bus voltage failure 		<ul style="list-style-type: none"> ■ ■ ■ — 			<ul style="list-style-type: none"> ■ ■ ■ —
Status messages <ul style="list-style-type: none"> ■ Switch ■ Brightness value ■ Error 		<ul style="list-style-type: none"> ■ ■ ■ 			<ul style="list-style-type: none"> ■ ■ ■

Dimming Actuators

Flush-Mounted

Flush-Mounted



SpaceLogic KNX Flush Mounted Universal Dimming Actuator 1g with 3 binary inputs



Version	Art. no.
	MTN6003-0013

1-gang universal dimming actuator with three inputs for installation in a size 60 switch box. Floating contacts can be connected to the three inputs. Optionally, an NTC temperature sensor can be connected to the third input.

The inputs and the KNX are connected via a 6-core, approx. 30 cm long, connecting cable. The connecting cable for the inputs can be extended to a max. of 10 m.

KNX Secure compatible

KNX software functions: Dimming actuator function:

Switching and dimming lamps. Switch on and dimming behaviour can be adjusted. Feedback of the switching state and the brightness value. "Soft ON", "Soft OFF" and time dimmer. Dimming or jumping to brightness values. Time-delayed switch off when a switch off brightness is not reached. Short circuit and load failure signal. 64 Scene function. Blocked operation via an object with parameterisable brightness value at the beginning and the end of blocking. Behaviour of the dimming actuator after bus voltage recovery.

Input function:

Free assignment of the switching, dimming, blind and valuator functions. Locking object. Behaviour when bus voltage recovers. Temperature, Brightness, Color temperature, Switching: two switch objects per input. Command on rising/falling edge (ON, OFF, TOGGLE, no reaction).

Dimming: Single surface and dual-surface operation. Time between dimming and switching and dim step values. Telegram repetition and send stop telegram.

Blinds: Command on rising edge (none, UP, DOWN, TOGGLE), Operation concept (Step - Move - Step or Move - Step). Time between short and long operation. Slat adjustment time. Valuator and Scene ext. input: Edge (push-button as make contact, push-button as break contact, switch) and value on edge. Value adjustment via long push-button action for valuator. Scene ext. unit with memory function.

Logic module:

Logic operation, Converter, Blocking element, Comparator, Limit value

Nominal voltage: AC 230 V, 50/60 Hz

Connected load at 25 °C

Incandescent/Halogen lamps: AC 230 V, 20 to 230 W

LV halogen lamps: 20 to 210 VA, wounded transformer / 20 to 210 W, electronic transformer

LED leading edge phase control: AC 230 V, 20 to 210 W/VA

LED trailing edge phase control: AC 230 V, 20 to 230 W

Connected load at 45 °C

Incandescent/Halogen lamps: AC 230 V, 20 to 210 W

LV halogen lamps: 20 to 160 VA, wound transformer / 20 to 160 W, electronic transformer

LED leading edge phase control: AC 230 V, 20 to 160 W/VA

LED trailing edge phase control: AC 230 V, 20 to 210 W

Inputs: 3

Dimensions: 48x50x28 (WxHxD)

Note: For installation in a double box or an electronic box (Kaiser). There must be a minimum gap of 4mm between the 230V connection and the connection for the KNX/Inputs (SELV)

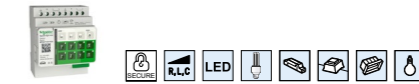
Dimming Actuators

DIN Rail

DIN Rail



SpaceLogic KNX, Secure, Dimmer Master



Version	Art. no.
white	MTN6710-0102S New

This device is KNX Secure certified. Dimming actuator with 2 channels for switching and dimming **dimnable LED lamps**, incandescent lamps, HV halogen lamps, LV halogen lamps using dimmable wound transformers or electronic transformers or dimmable compact fluorescent lamps.

(leading and trailing-edge phases)

The Master automatically recognises the connected load. This happens in the background when switching on. Combinations of ohmic and inductive, or ohmic and capacitive loads can also be connected. Combinations of inductive and capacitive loads must not be connected. No flickering of LEDs in switched-off state.

The number of dimming channels can be increased by connecting SpaceLogic KNX Universal Dimming Extensions. By connecting a SpaceLogic KNX Switch/Blind Extension, the Master's channels can be increased with Switch/Blind channels. A maximum of 2 Extensions can be connected to the Master. The Master controls the Extensions, their power supply and communication with the bus.

With screw terminals, short-circuit, open circuit and excess temperature protection with soft start lamp start. Different phases can be connected.

All dimming outputs can be operated manually using push-buttons (On/Off, Dimm UP/Down, LED mode/Automode, One/Two button operation).

Channel status display via LEDs. A green LED indicates readiness for operation.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX Secure compatible: The actuator supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.

General KNX software functions: Energy saving, device safety, device health, manual operation, PIN code for firmware update.

Dimmer actuator functions: Dimming operation by KNX, dimming operation by manual switch, enable/disable manual mode by bus, automatic dimming operating mode or special leading edge phase for RL LED mode, various dimming curves and dimming rates, same dimming time, minimum/maximum dimming value, starting behaviour, 50% brightness when starting ESL/CFL lamp, dimming/value object switches channel, ON/OFF delay, staircase lighting function (with/without manual OFF function, non-/retriggerable, prewarning function), scenes (up to 16 internally stored brightness values can be retrieved), priority control, disable function (behaviour of locking), operating hours, status feedback (switching state, brightness value, fault), behaviour on bus voltage recovery/download

Switch/Blind actuator functions: same as SpaceLogic KNX Switch/Blind Master; only activated when a SpaceLogic KNX Switch/Blind Extension is connected.

Supply voltage: KNX bus, approx. 7.5 mA (Master), approx. 10 mA (Master + 1 Extension), approx. 12.5 mA (Master + 2 Extensions)

Dimmer type: 3-wire, RC mode, RL mode, RL LED mode

Power dissipation: < 6 W

Dimmer Outputs

Channels: 2 (different phases possible)

Nominal voltage: AC 110 - 240 V, 50/60 Hz

Nominal power:

220-240 V: Incandescent, HV, electronic/wounded transformers: 2x 350 W/VA

220-240 V: LED lamp in RC mode: 2x 200 W, max. 1.3 A

220-240 V: LED lamp in RL mode: 2x 60 W, max. 0.5 A

110-127 V: Incandescent, HV, electronic/wounded transformers: 2x 200 W/VA

110-127 V: LED lamp in RC mode: 2x 135 W, max. 1.5 A

110-127 V: LED lamp in RL mode: 2x 54 W, max. 0.6 A

Device width: 4 modules = approx. 72 mm

Accessories: SpaceLogic KNX Universal Dimming Extension MTN6810-0102, SpaceLogic KNX Switch/Blind Extension MTN6805-0008, SpaceLogic KNX Module Link MTN6941-0000, SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002.

Contents: With bus connecting terminal

Dimming Actuators

DIN Rail



SpaceLogic KNX Universal Dimming Master



Version	Art. no.	
white	MTN6710-0102	Discontinued

Dimming actuator with 2 channels for switching and dimming **dimnable LED lamps**, incandescent lamps, HV halogen lamps, LV halogen lamps using dimmable wound transformers or electronic transformers or dimmable compact fluorescent lamps.
(leading and trailing-edge phases)

The Master automatically recognises the connected load. This happens in the background when switching on. Combinations of ohmic and inductive, or ohmic and capacitive loads can also be connected. Combinations of inductive and capacitive loads must not be connected. No flickering of LEDs in switched-off state.

The number of dimming channels can be increased by connecting SpaceLogic KNX Universal Dimming Extensions. By connecting a SpaceLogic KNX Switch/Blind Extension, the Master's channels can be increased with Switch/Blind channels. A maximum of 2 Extensions can be connected to the Master. The Master controls the Extensions, their power supply and communication with the bus.

With screw terminals, short-circuit, open circuit and excess temperature protection with soft start lamp start. Different phases can be connected.

All dimming outputs can be operated manually using push-buttons (On/Off, Dimm UP/Down, LED mode/Automode, One/Two button operation).

Channel status display via LEDs. A green LED indicates readiness for operation.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

General KNX software functions: Energy saving, device safety, device health, manual operation, PIN code for firmware update.

Dimmer actuator functions: Dimming operation by KNX, dimming operation by manual switch, enable/disable manual mode by bus, automatic dimming operating mode or special leading edge phase for RL LED mode, various dimming curves and dimming rates, same dimming time, minimum/maximum dimming value, starting behaviour, 50% brightness when starting ESL/CFL lamp, dimming/value object switches channel, ON/OFF delay, staircase lighting function (with/without manual OFF function, non-/retriggerable, prewarning function), scenes (up to 16 internally stored brightness values can be retrieved), priority control, disable function (behaviour of locking), status feedback (switching state, brightness value, fault), behaviour on bus voltage recovery/download

Switch/Blind actuator functions: same as SpaceLogic KNX Switch/Blind Master; only activated when a SpaceLogic KNX Switch/Blind Extension is connected.

Supply voltage: KNX bus, approx. 7.5 mA (Master), approx. 10 mA (Master + 1 Extension), approx. 12.5 mA (Master + 2 Extensions)

Dimmer type: 3-wire, RC mode, RL mode, RL LED mode

Power dissipation: < 6 W

Dimmer Outputs

Channels: 2 (different phases possible)

Nominal voltage: AC 110 - 240 V, 50/60 Hz

Nominal power:

220-240 V: Incandescent, HV, electronic/wounded transformers: 2x 350 W/VA

220-240 V: LED lamp in RC mode: 2x 200 W, max. 1.3 A

220-240 V: LED lamp in RL mode: 2x 60 W, max. 0.5 A

110-127 V: Incandescent, HV, electronic/wounded transformers: 2x 200 W/VA

110-127 V: LED lamp in RC mode: 2x 135 W, max. 1.5 A

110-127 V: LED lamp in RL mode: 2x 54 W, max. 0.6 A

Device width: 4 modules = approx. 72 mm

Accessories: SpaceLogic KNX Universal Dimming Extension MTN6810-0102, SpaceLogic KNX Switch/Blind Extension MTN6805-0008, SpaceLogic KNX Module Link MTN6941-0000, SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002.

Contents: With bus connecting terminal

Dimming Actuators

DIN Rail



SpaceLogic KNX Universal Dimming Extension



Version	Art. no.
white	MTN6810-0102

The SpaceLogic KNX Universal Dimming Extension is a dimming actuator that extends the channels of a SpaceLogic KNX Universal Dimming Master.

For independent control of up to 2 dimmable loads such as **dimmable LED lamps**, incandescent lamps, HV halogen lamps, LV halogen lamps using dimmable wound transformers or electronic transformers or dimmable compact fluorescent lamps.
(leading and trailing-edge phases)

The ETS programming is carried out in the ETS application of the Master. The Master controls the function of the Extension, the power supply and communication to the KNX bus. Channel status is displayed via LEDs on the Master's keypad.

With screw terminals, short-circuit, open circuit and excess temperature protection with soft start lamp start. Different phases can be connected.

All outputs can be operated manually using push-buttons of the Master (On/Off, Dimm UP/Down, LED mode/Automode, One/Two button operation).

A green LED indicates readiness for operation, a red manual operation LED shows whether the Extension is controlled manually. For installation on DIN rails TH35 according to EN 60715. The connection to the Master or another Extension is made either with a Module Link or with a Cable Link.

Dimmer actuator functions: Dimming operation by KNX, dimming operation by manual switch, enable/disable manual mode by bus, automatic dimming operating mode or special leading edge phase for RL LED mode, various dimming curves and dimming rates, same dimming time, minimum/maximum dimming value, starting behaviour, 50% brightness when starting ESL/CFL lamp, dimming/value object switches channel, ON/OFF delay, staircase lighting function (with/without manual OFF function, non-/retriggerable, prewarning function), scenes (up to 16 internally stored brightness values can be retrieved), priority control, disable function (behaviour of locking), status feedback (switching state, brightness value, fault), behaviour on bus voltage recovery/download

Supply voltage: via link interface

Dimmer type: 3-wire, RC mode, RL mode, RL LED mode

Power dissipation: < 6 W

Dimmer Outputs

Channels: 2 (different phases possible)

Nominal voltage: AC 110 - 240 V, 50/60 Hz

Nominal power:

220-240 V: Incandescent, HV, electronic/wounded transformers: 2x 350 W/VA

220-240 V: LED lamp in RC mode: 2x 200 W, max. 1.3 A

220-240 V: LED lamp in RL mode: 2x 60 W, max. 0.5 A

110-127 V: Incandescent, HV, electronic/wounded transformers: 2x 200 W/VA

110-127 V: LED lamp in RC mode: 2x 135 W, max. 1.5 A

110-127 V: LED lamp in RL mode: 2x 54 W, max. 0.6 A

Device width: 4 modules = approx. 72 mm

To be completed with: SpaceLogic KNX Universal Dimming Master MTN6710-0102

Accessories: SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002

Contents: With Module Link.

Dimming Actuators

DIN Rail



SpaceLogic KNX Cable Link S



Version	Art. no.
30 cm	MTN6941-0001

The Cable Link connects Master/Extension or Extension/Extension that are not placed directly next to each other on the DIN rail. Length: 30 cm

SpaceLogic KNX Cable Link L



Version	Art. no.
150 cm	MTN6941-0002

The Cable Link connects Master/Extension or Extension/Extension that are not placed directly next to each other on the DIN rail. Length: 150 cm

SpaceLogic KNX Module Link



Version	Art. no.
	MTN6940-0000

The Module Link connects Master/Extension or Extension/Extension that are placed directly next to each other on the DIN rail.



Dimming Actuators

DIN Rail



SpaceLogic KNX, 2 channel 1100 VA universal dimmer



Version	Art. no.
white	MTN6710-1102 New

The KNX Secure universal dimmer with 2 channels can dim and control loads independently of each channel.

The universal dimmer automatically detects the connected loads for each channel (leading and trailing-edge phases) when switching on. Combinations of inductive and capacitive loads must not be connected. Channel bundling is also permitted via ETS. The channel indicator can simultaneously indicate whether the output load channel is closed or opened. A green LED with flashing behaviour indicates readiness for operation after the application has been loaded.

KNX Secure compatible: The actuator supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software function: different dimming curves and dimming speeds, channel bundling, dimming operation mode setting (automatic or leading edge phase), the same dimming time, memory function, ON/OFF delay, staircase time function with/without manual OFF function, scenes (up to eight stored brightness values can be retrieved), central function, logic operation or priority control, locking function, status feedback, behaviour on bus voltage recovery.

Supply voltage: KNX bus, DC 21–30 V, rated current 4 mA/24 V

Nominal voltage: AC 220-240 V, 50/60 Hz

Channels: 2

Nominal power for each channel:

Incandescent lamp: 150 W for leading edge, 1100 W for trailing edge

Low-voltage halogen lamp with electronic transformer: 150 VA for leading edge, 550 VA for trailing edge

Low-voltage halogen lamp with inductive transformer: 150 VA for leading edge

LED lamp ($\cos\phi \geq 0.6$): 150W for leading edge, 550 W for trailing edge

Nominal power for channel combined:

Incandescent lamp: 300 W for leading edge, 2200 W for trailing edge

Low-voltage halogen lamp with electronic transformer: 300 VA for leading edge, 1100 VA for trailing edge

Low-voltage halogen lamp with inductive transformer: 300 VA for leading edge

LED lamp ($\cos\phi \geq 0.6$): 300 W for leading edge, 1100 W for trailing edge

Minimal nominal power: 30 VA

Device width: 12 modules = approx. 216 mm

Contents: with bus connecting terminal

Note: programming with ETS5 and higher.

Dimming Actuators

DIN Rail



SpaceLogic KNX universal dimming actuator LL REG-K/4x230/250 W



Version	Art. no.
light grey	MTN6710-0004

LED/ESL/CFL dimmer

For switching and dimming **dimnable LED lamps**, incandescent lamps, HV halogen lamps, LV halogen lamps using dimmable wound transformers or electronic transformers or dimmable compact fluorescent lamps.

(leading and trailing-edge phases)

With integral bus coupler, screw terminals, short-circuit, open circuit and excess temperature protection with soft start lamp start. Different phases can be connected.

The dimmer actuator automatically recognises the connected load. This happens in the background when switching on. Combinations of ohmic and inductive, or ohmic and capacitive loads can also be connected. Combinations of inductive and capacitive loads must not be connected. No flickering of LEDs in switched-off state.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software functions: Dimming operation by KNX, dimming and emergency operation by manual switch, enable/block manual mode by bus, automatic dimming operating mode or leading edge phase for certain LED/ESL/CFL lamps, load separation possible in OFF state, various dimming curves and dimming rates, same dimming time, minimum/maximum dimming value, starting behaviour, memory function, 50% brightness when starting ESL/CFL lamp, dimming/value object switches channel, ON/OFF delay, staircase lighting function (with/without manual OFF function, non-/retriggerable, time accumulating, warning function), scenes (up to 8 internally stored brightness values can be retrieved), central function, logic operations (AND/OR) or priority control, disable function (behaviour of locking), status feedback (switching state, brightness value, fault), behaviour on mains voltage recovery/bus voltage recovery/download.

Nominal voltage: AC 110 - 130 V / AC 220 - 230 V, 50/60 Hz

Channels: 4 (different phases possible)

Nominal power: 4 x 250 W/VA (230 V), 4 x 125 W/VA (110 V)

3 channels: 1 x 350 W/VA and 2 x 250 W/VA (230 V), 1 x 175 W/VA and 2 x 125 W/VA (110 V)

2 channels: 2 x 350 W/VA (230 V), 2 x 175 W/VA (110 V)

Minimum load/channel: 4 W (ohmic)

4 W (ohmic-capacitive)

25 VA (ohmic-inductive)

Device width: 8 modules = approx. 144 mm

Note: Information about the "Dimming LED lamps" can be obtained on the Internet at "Schneider-Electric dimmer test", <http://schneider-electric.dimmer-test.com>

Contents: With bus connecting terminal and cable cover.

Dimming Actuators

Control Units 1-10 V

Control Units 1-10 V



SpaceLogic KNX Control unit 0-10 V REG-K/1-gang with manual mode



Version	Art. no.
light grey	MTN647091

For connecting devices with 0-10 V interface to KNX. With integrated bus coupler and screw terminals (230 V) or plug-in screw terminals (0-10 V). Each individual 230 V switch output can be operated manually with a manual switch.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software functions: Different dimming curves and dimming speeds, the same dimming time, memory function, ON/OFF delay, staircase time function with/without manual OFF function, scenes (up to eight stored brightness values can be retrieved), central function, logic operation or priority control, blocking function, status feedback, behaviour on bus voltage recovery.

Switch contact: for switching the electronic ballasts/transformers

Nominal voltage: AC 100-240 V $\pm 10\%$

Operating voltage: min. AC 90 V - max. AC 265 V

Mains frequency: 50-60 Hz $\pm 10\%$

Nominal current: 16 A, inductive load $\cos\phi = 0.6$

Nominal load

Incandescent lamps: AC 100 V, max. 1600 W

AC 230 V, max. 3600 W

AC 240 V, max. 3840 W

Halogen lamps: AC 100 V, max. 1086 W

AC 230 V, max. 2500 W

AC 240 V, max. 2608 W

Fluorescent lamps: AC 100 V, max. 1086 VA

AC 230 V, max. 2500 VA

AC 240 V, max. 2608 VA

parallel-compensated

Capacitive load: AC 100 V, max. 1600 W, 200 μF

AC 230 V, max. 3600 W, 200 μF

AC 240 V, max. 3840 W, 200 μF

0-10 V interface: 0.12-100 mA

Voltage range: DC 0-10 V

Device width: 2.5 HP = approx. 45 mm

Contents: With bus connecting terminal and cable cover.

Dimming Actuators

Control Units 1-10 V



SpaceLogic KNX Control unit 0-10 V REG-K/3-gang with manual mode



Version	Art. no.
light grey	MTN646991

For connecting devices with 0-10 V interface to KNX. With integrated bus coupler and screw terminals (230 V) or plug-in screw terminals (0-10 V). Each individual 230 V switch output can be operated manually with a manual switch.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software functions: Different dimming curves and dimming speeds, the same dimming time, memory function, ON/OFF delay, staircase time function with/without manual OFF function, scenes (up to eight stored brightness values can be retrieved), central function, logic operation or priority control, blocking function, status feedback, behaviour on bus voltage recovery.

Switch contact: for switching the electronic ballasts/transformers

Nominal voltage: AC 230 V, 50-60 Hz

Nominal current: 16 A, $\cos\phi = 0.6$

Switching capacity: AC 230 V, 3600 W, $\cos\phi = 1$

Capacitive load: AC 230 V, 16 A, 200 μF

Incandescent lamps: AC 230 V, max. 3600 W

Halogen lamps: AC 230 V, max. 2500 W

Fluorescent lamps:

AC 230 V, max. 3600 VA, uncompensated

AC 230 V, max. 2500 VA, with parallel compensation

LV-halogen lamps with wound transformer: max. 2000 VA

0-10 V interface: 0.12-100 mA

Voltage range: DC 0-10 V

Device width: 4 HP = ca. 72 mm

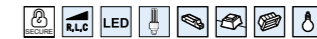
Contents: With bus connecting terminal and cable cover.

Dimming Actuators

Control Units 1-10 V



SpaceLogic KNX, 4 channel 1-10 V dimmer with manual mode



Version	Art. no.
white	MTN6720-0004 New

For independent switching of 4 loads with 1–10 V interface via make contacts.

The 220-240V switch output can be operated with manual switch. The channel indicator can simultaneously indicate whether the output load channel is closed or opened. A green LED with flashing behaviour indicates readiness for operation after the application has been loaded.

KNX Secure compatible: The actuator supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software function: different dimming curves and dimming speeds, the same dimming time, memory function, ON/OFF delay, staircase time function with/without manual OFF function, scenes (up to eight stored brightness values can be retrieved), central function, logic operation or priority control, locking function, status feedback, behaviour on bus voltage recovery, colour temperature.

Supply voltage: KNX bus, DC 21–30V, rated current 12 mA, max 23 mA/24 V

Nominal voltage: AC 220–240 V, 50/60 Hz

Nominal current: 20 A AC-1, IEC60947-4-1

Channels: 4

For each switching output:

AC1 operation according with IEC60947-4-1: max. 20 A

Nominal load:

Incandescent lamp: 3680 W

Low-voltage halogen lamp with electronic transformer: 3000 VA

Low-voltage halogen lamp with inductive transformer: 2200 VA

Fluorescent lamp: 3680 W

Capacitive load: 16 AX, max. 140 μF

LED lamp: 650 W $\cos\phi \geq 0.6$; 300 W $\cos\phi 0.5 - 0.6$

1-10 V output interface:

Voltage range: DC 1–10 V

Load capacity (passive): max 100 mA (max 50 electronic ballast or LED driver, depending on EB or driver)

Minimal switching current: 100 mA/12 V AC

Relay data – inrush current: max. 480 A/ 2100 μs

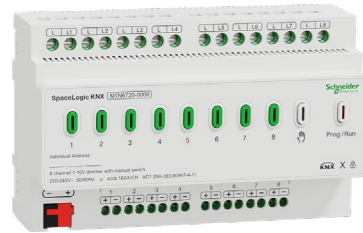
Device width: 6 modules = approx. 108 mm

Contents: with bus connecting terminal

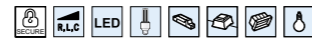
Note: programming with ETS5 and higher.

Dimming Actuators

Control Units 1-10 V



SpaceLogic KNX, 8 channel 1-10 V dimmer with manual mode



Version	Art. no.
white	MTN6720-0008 New

For independent switching of 8 loads with 1–10 V interface via make contacts.

The 220-240V switch output can be operated with manual switch. The channel indicator can simultaneously indicate whether the output load channel is closed or opened. A green LED with flashing behaviour indicates readiness for operation after the application has been loaded.

KNX Secure compatible: The actuator supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software function: different dimming curves and dimming speeds, the same dimming time, memory function, ON/OFF delay, staircase time function with/without manual OFF function, scenes (up to eight stored brightness values can be retrieved), central function, logic operation or priority control, locking function, status feedback, behaviour on bus voltage recovery, colour temperature.

Supply voltage: KNX bus, DC 21–30V, rated current 12 mA, max 23 mA/24 V

Nominal voltage: AC 220–240 V, 50/60 Hz

Nominal current: 20 A AC-1, IEC60947-4-1

Channels: 8

For each switching output:

AC1 operation according with IEC60947-4-1: max. 20 A

Nominal load:

Incandescent lamp: 3680 W

Low-voltage halogen lamp with electronic transformer: 3000 VA

Low-voltage halogen lamp with inductive transformer: 2200 VA

Fluorescent lamp: 3680 W

Capacitive load: 16 AX, max. 140 μ F

LED lamp: 650 W $\cos\phi \geq 0.6$; 300 W $\cos\phi 0.5 - 0.6$

1-10 V output interface:

Voltage range: DC 1–10 V

Load capacity (passive): max 100 mA (max 50 electronic ballast or LED driver, depending on EB or driver)

Minimal switching current: 100 mA/12 V AC

Relay data – inrush current: max. 480 A/ 2100 μ s

Device width: 8 modules = approx. 144 mm

Contents: with bus connecting terminal

Note: programming with ETS5 and higher.

Dimming Actuators

Control Units 1-10 V

Room Temperature Control Units

Design-Independent

Design-Independent



KNX Secure 4" Touch Unit



Version	Art. no.	
glass	MTN6215-0410S	New

The KNX Secure 4" Touch Unit is a room controller designed to be the center of the smart home. Premium materials and a high-quality display with built-in sensors offer a wide range of applications. The device supports KNX Secure.

The slim design of the product fits perfectly into the modern concept of today's smart installations and architecture. The product can be used in both residential and commercial projects. The product has a modern, seamless user interface that provides an immersive experience every time it is used, with the display waking up simply by moving closer thanks to the proximity sensor.

The display has up to 9 screens that can display individual functions as widgets. This allows you to have different combinations of up to 6 widgets on each screen and effectively control all connected systems. You move between screens with a simple swipe, familiar from traditional smartphone use.

User Interface functions:

- Different UI theme style
- Screen saver
- Orientation indicator
- Proximity function triggered by object
- Setting the backlight in normal/night mode
- Setting the appearance of the screen

Main functions

- Brightness dimming
- RGB dimming
- RGBW dimming
- Colour temperature dimming
- Venetian blind position and slat
- Air conditioner control
- Room temperature control
- Ventilation control
- Audio control

HVAC controller functions:

- FCU controller: switching on/off (2-point control), switching PWM (PI control), continuous control (PI control)
- Floor heating controller
- Ventilation controller

General: Scene group function, 8 logic function channels (AND; OR, XOR, threshold comparator, format converter) each with 8 inputs

Power supply from KNX: DC 21-30 V approx. 24 V/3 mA

Auxiliary Power supply: DC 21-30 V approx. 24 V/85 mA

KNX: KNX Secure

Screen: 10 cm (3.95") LCD, 480 x 480 pixels

Measuring accuracy: ±1 °C at 25 °C

IP protection rating: IP 20

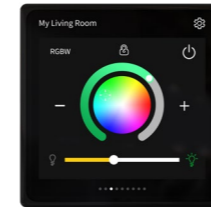
Dimensions WxHxD: 86 x 86 x 32 mm

Accessories: Dismantling protection MTN6270-0000

Note: Programmable with ETS5 and higher.

Room Temperature Control Units

Design-Independent



SpaceLogic KNX 4" Touch Unit



Version	Art. no.
glass	MTN6215-0410

The 4" Touch unit is a room controller designed to be the center of the smart home. Premium materials and a high-quality display with built-in sensors offer a wide range of applications.

The slim design of the product fits perfectly into the modern concept of today's smart installations and architecture. The product can be used in both residential and commercial projects. The product has a modern, seamless user interface that provides an immersive experience every time it is used, with the display waking up simply by moving closer thanks to the proximity sensor.

The display has up to 9 screens that can display individual functions as widgets. This allows you to have different combinations of up to 6 widgets on each screen and effectively control all connected systems. You move between screens with a simple swipe, familiar from traditional smartphone use.

User Interface functions:

- Different UI theme style
- Screen saver
- Orientation indicator
- Proximity function triggered by object
- Setting the backlight in normal/night mode
- Setting the appearance of the screen

Main functions

- Brightness dimming
- RGB dimming
- RGBW dimming
- Colour temperature dimming
- Venetian blind position and slat
- Air conditioner control
- Room temperature control
- Ventilation control
- Audio control

HVAC controller functions:

- FCU controller: switching on/off (2-point control), switching PWM (PI control), continuous control (PI control)
- Floor heating controller
- Ventilation controller

General: Scene group function, 8 logic function channels (AND; OR, XOR, threshold comparator, format converter) each with 8 inputs

Power supply from KNX: DC 21-30 V approx. 24 V/3 mA

Auxiliary Power supply: DC 21-30 V approx. 24 V/85 mA

Screen: 10 cm (3.95") LCD, 480 x 480 pixels

Measuring accuracy: ±1 °C at 25 °C

IP protection rating: IP 20

Dimensions WxHxD: 86 x 86 x 32 mm

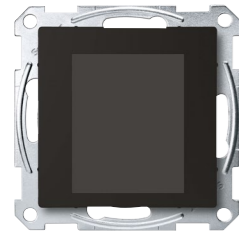
Accessories: Dismantling protection MTN6270-0000

Note: Programmable with ETS5 and higher.

Room Temperature Control Units

System M

System M



KNX Multitouch Pro



Version	Art. no.
	MTN6215-0310 Discontinued

For System M.

Comfortable room controller for controlling up to 32 room functions and the room temperature. All functions are displayed on a touch screen and are called up using simple finger movements. The user chooses from 3 interface designs that can be freely assigned to the room functions. The room temperature control can be shown in 2 different designs.

With room temperature control unit, display and connection for the remote sensor.

The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators.

ETS device functions:

- Switch-on behaviour of the user interface
- Proximity function: The display and the start screen only become visible when approached
- Gesture function: The device recognises a gesture (horizontal or vertical swipe movement) and triggers a function. In this way, the light can be switched on when you enter the room, for example.
- Cleaning mode: For a specific period of time, neither touches nor gestures are detected
- Adjusting the background lighting
- Setting the screen saver

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

Control unit/push-button:

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams, pulse edges with 2-byte telegrams, 8-bit linear regulator, scene retrieval, scene saving, signal function, fan control, operating modes, setpoint adjustment

Functions of the room temperature control unit:

Controller type: 2-step controller, continuous-action PI control, switching PI control (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby (ECO), night reduction, frost/heat protection

Move all setpoints. Save all setpoint temperatures and operating modes when reset. External temperature monitoring. Additional output of the control value as 1 byte value on the PWM.

Signal function for the actual temperature, valve protection function.

Scene function.

Operation: Touch display

Accessories: Dismantling protection MTN6270-0000

Remote sensor for universal room temperature control unit

with touch display MTN5775-0003

Note: Programmable with ETS4 and higher.

Contents: With bus connecting terminal and supporting plate.

Room Temperature Control Units

System M



Push-button 2-gang plus with room temperature control unit



Version	Art. no.
<input type="checkbox"/> polar white, glossy	MTN6212-0319
<input type="checkbox"/> active white, glossy	MTN6212-0325
<input checked="" type="checkbox"/> anthracite	MTN6212-0414
<input type="checkbox"/> aluminium	MTN6212-0460

For System M.

Convenient control unit with 4 operating buttons, operating and status display and labelling field. The operating display can also be used as an orientation light.

With room temperature control unit and display.

With 5 red LEDs.

The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators. With the white backlit display for showing e.g. the time, date, temperature and operating mode. Menu for setting default operating modes, setpoint value, working/non-working day (external trigger), display mode, time, switching times and brightness of the display.

The push-buttons are freely parameterisable as push-button pairs (dual-surface) or as single push-buttons.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

Functions of the push-buttons:

Switching, toggling, dimming, blind control (relative or absolute), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions, timed control with synchronisation, notification functions, the cyclic reading of external temperature values, fan control, operating modes, move setpoints.

Functions of the room temperature control unit:

Controller type: 2-step control, continuous PI controller, switching PI controller (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- Heating and cooling with one controller output
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby, night reduction, frost/heat protection

Move all setpoints, save all setpoint temperatures and operating modes when reset, external temperature monitoring, additional output of the control value as 1 byte value on the PWM.

Monitoring function for the actual temperature, valve protection function.

Scene function.

Operation: Menu.

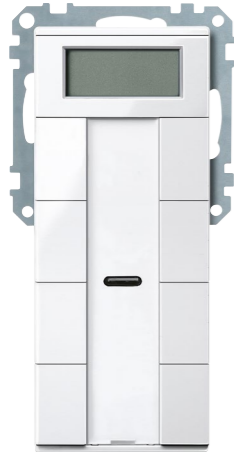
Contents: With bus connecting terminal and supporting plate.

Screw for protection against dismantling.

With protective hood for plaster.

Room Temperature Control Units

System M



Push-button 4-gang plus with room temperature control unit



Version	Art. no.
<input type="checkbox"/> polar white, glossy	MTN6214-0319
<input checked="" type="checkbox"/> anthracite	MTN6214-0414
<input type="checkbox"/> aluminium	MTN6214-0460

For System M.

Convenient control unit with 8 operating buttons, operating and status display and labelling field. The operating display can also be used as an orientation light.

With room temperature control unit and display.

With integrated piezoelectric buzzer to display alarm states and IR receiver. All functions of the respective buttons can be controlled via IR remote control.

With 9 red LEDs.

The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators. With the white backlit display for showing e.g. the time, date, temperature and operating mode. Menu for setting default operating modes, setpoint value, working/non-working day (external trigger), display mode, time, switching times and brightness of the display.

The push-buttons are freely parameterisable as push-button pairs (dual-surface) or as single push-buttons.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

Functions of the push-buttons:

Switching, toggling, dimming, blind control (relative or absolute), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions, timed control with synchronisation, notification functions, the cyclic reading of external temperature values, fan control, operating modes, move setpoints.

Functions of the room temperature control unit:

Controller type: 2-step control, continuous PI controller, switching PI controller (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- Heating and cooling with one controller output
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby, night reduction, frost/heat protection

Move all setpoints, save all setpoint temperatures and operating modes when reset, external temperature monitoring, additional output of the control value as 1 byte value on the PWM.

Monitoring function for the actual temperature, valve protection function.

Scene function

Operation: Menu

Transmitter: IR universal remote control MTN5761-0000

To be completed with: M-Smart frame, 2-gang without central bridge piece MTN4788.., M-Arc frame, 2-gang without central bridge piece MTN4858.., M-Star frame, 2-gang without central bridge piece MTN4668.., MTN4768.., MTN4868.., M-Plan frames, 2-gang without central bridge piece MTN4888.., MTN5158.., Metal frame, 2-gang without central bridge piece M-Elegance MTN4038.., Real glass frame, 2-gang without central bridge piece M-Elegance MTN4048..

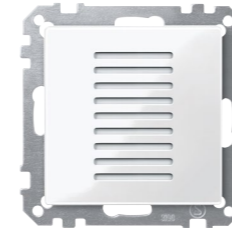
Contents: With bus connecting terminal and supporting plate.

Screw for protection against dismantling.

With protective hood for plaster.

Room Temperature Control Units

System M



Room temperature control unit for properties



Version	Art. no.
<input type="checkbox"/> polar white, glossy	MTN6221-0319
<input type="checkbox"/> active white, glossy	MTN6221-0325
<input checked="" type="checkbox"/> anthracite	MTN6221-0414

For System M.

KNX room temperature control unit for properties with integrated bus coupler. Depending on the operating mode, the current temperature setpoint value and the actual room temperature a control value for the heating or cooling control unit is transmitted to the KNX. The temperature can optionally be measured by the internal or by an external bus temperature sensor.

The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators. Operating mode, nominal value, control function settings made only via the bus. The device does not have any operating and display elements.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

Functions of the room temperature control unit:

Controller type: 2-step control, continuous PI controller, switching PI controller (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- Heating and cooling with one controller output
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby, night reduction, frost/heat protection

Move all setpoints, save all setpoint temperatures and operating modes when reset, external temperature monitoring, additional output of the control value as 1 byte value on the PWM.

Monitoring function for the actual temperature, valve protection function.

Operation: only via bus telegrams.

Contents: With bus connecting terminal and supporting plate.

With protective hood for plaster.

Room Temperature Control Units

System D

System D



KNX Multitouch Pro



Version	Art. no.
	MTN6215-5910 Discontinued

For System D.

Comfortable room controller for controlling up to 32 room functions and the room temperature. All functions are displayed on a touch screen and are called up using simple finger movements. The user chooses from 3 interface designs that can be freely assigned to the room functions. The room temperature control can be shown in 2 different designs.

With room temperature control unit, display and connection for the remote sensor.

The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators.

ETS device functions:

- Switch-on behaviour of the user interface
- Proximity function: The display and the start screen only become visible when approached
- Gesture function: The device recognises a gesture (horizontal or vertical swipe movement) and triggers a function. In this way, the light can be switched on when you enter the room, for example.
- Cleaning mode: For a specific period of time, neither touches nor gestures are detected
- Adjusting the background lighting
- Setting the screen saver

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:

Control unit/push-button:

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams, pulse edges with 2-byte telegrams, 8-bit linear regulator, scene retrieval, scene saving, signal function, fan control, operating modes, setpoint adjustment

Functions of the room temperature control unit:

Controller type: 2-step controller, continuous-action PI control, switching PI control (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby (ECO), night reduction, frost/heat protection

Move all setpoints. Save all setpoint temperatures and operating modes when reset. External temperature monitoring. Additional output of the control value as 1 byte value on the PWM.

Signal function for the actual temperature, valve protection function.

Scene function.

Operation: Touch display

Accessories: Dismantling protection MTN6270-0000

Remote sensor for universal room temperature control unit with touch display MTN5775-0003

Fixing frame for 3-module box MTN6270-0015

D-Life frame, 1-gang, for 3-module box MTN6010-65xx

Note: Programmable with ETS4 and higher.

Contents: With bus connecting terminal and supporting plate.

Room Temperature Control Units

Controller, Fan Coil, Valves

Controller, Fan Coil, Valves



SpaceLogic KNX Valve Drive Controller



Version	Art. no.
white	MTN6730-0002

For actuation of electrothermal valve drives for heating or cooling ceilings. The valve drive controller has 6 electronic outputs. Up to 4 valve drives (230 V AC) or 2 valve drives (24 V AC) can be connected to each output. Both de-energized closed and de-energized opened valve drives can be connected.

In addition, the valve drive controller contains 6 integrated room temperature controllers (RTC) which operate independently of each other. The correcting variable outputs of these RTCs can be linked internally with the valve outputs, so that temperature control and valve actuation can be performed by a single bus device only, if required. In this case, no external room temperature controller (e.g. push-button with RTC) is required.

As the valve outputs can be controlled individually, an external RTC can also be used at any time.

The integrated room temperature controllers can send the correcting variable telegram to the bus and thus control other heating actuators or fan coil actuators.

The outputs are either switch activated (1 bit) or PWM signal (1 byte) activated. Each output is overload-protected and short-circuit-protected.

All outputs can be operated manually using push-button operation. Building site operation is possible.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software functions - valve: valve activation (deenergised opened / closed) can be configured for each output, actuator evaluation as "Switching, 1-bit", "Constant, 1-byte" or "Constant 1-byte with actuator limiting value and hysteresis", status feedback, collective feedback of all valve states via 4-byte telegram, combined valve status via 1 byte, failure signal of the valve operating voltage can be configured, overload and short-circuit signal for each valve output, automatic valve rinsing, summer/winter switch-over for valve outputs, valve command value limit, forced position configurable, activation of service mode with defined valve position

KNX software functions - RTC: operating modes "Heating", "Cooling", "Heating and Cooling" each with or without additional level, configuration of the temperature setpoints as relative (derived from basic setpoint) or absolute (independent setpoint temperatures for each operating mode), PI control, PWM or switching 2-point feedback control, automatic or object-oriented switch-over between "Heating" and "Cooling", temporary or permanent setpoint shift through communication objects possible (e.g. via a controller extension), configurable step width of the setpoint shift (0.1 K / 0.5 K), calibration of the temperature values possible and measured value formation of the external sensors can be configured, separate or shared command value output in heating and cooling mode, floor temperature limit in heating mode, setpoint temperature limit in cooling mode, operating hours counter to record the switch-on times of the valve outputs

Nominal voltage: AC 110-230 V, 50/60 Hz

Outputs: 6, electronic AC 24 V / 230 V

Switching current: 5 ... 160 mA

Switch-on current AC 230 V: max. 1.5 A (2 s)

Switch-on current AC 24 V: max. 0.3 A (2 min)

Number of valve drives: max. 4 per output (230 V drives)
max. 2 per output (24 V drives)

Power consumption KNX: max. 250 mW

Device width: 4 modules = approx. 72 mm

Accessories: Thermoelectric valve drive 230 V MTN639125

Thermoelectric valve drive 24 V MTN639126

Contents: With bus connecting terminal and cable cover.

Room Temperature Control Units

Controller, Fan Coil, Valves



SpaceLogic KNX Fan Coil 0-10 V Controller



Version	Art. no.
white	MTN6730-0003

For heating, ventilation and air conditioning control. For controlling fan coils with up to three fan stages, optionally also with 0-10 V fan control, as well as for the control of proportional 0-10 V valves. The controller supports 2-pipe and 4-pipe systems.

The controller can measure and control the room temperature itself or receives the value from the Push-Button plus with TCU and behaves like an actuator.

One floating contact for window contacts or temperature sensor and one for condensate monitoring (e.g.).

Auxiliary relay for electric heating or cooling registers

Manual operation on the controller (fan speeds, switching between heating and cooling)

Adjustment of setpoint for cooling depending on outdoor temperature

Floating contact optionally for cooling or heating coil

With emergency program

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software functions: Fan control:

Standard fan coil or fan coil with 0-10 V is supported. In automatic mode, the fan speeds are controlled dependently by the control value of the push-button plus with TCU. The three fan speeds and automatic mode can be switched via telegram. The fan can be controlled either directly or via actuators / suitable dimming actuators. Fan speed feedback is possible via corresponding status feedback objects e.g. status LED of a push-button.

Valve control:

Type of controller: P / PI controller

Controller mode: Heating and/or cooling with common or separate valve outputs.

Operating modes: Operating modes can be selected by object

Power supply: AC 100-240 V, 50-60 Hz

Power consumption: max. 1.7 W, stand-by <0.5 W

Minimum load additional/fan relay: 12 V, 100 mA

Outputs:

Additional relay switching capacity: 16 A

Fan relay switching capacity: 6 A

Fan and valves: 0-10 V, max. 10 mA

Inputs: 2, max. cable length 5 m

Operation: Key for fan levels and heating/cooling mode

Displays: 9 status LEDs

Device width: 4 modules = approx. 72 mm

Accessories:

Push-button 2-gang plus with room temperature control unit System M MTN6212-03.. /-04..,

Push-button 4-gang plus with room temperature control unit System M MTN6214-03.. /-04..,

KNX Multitouch Pro System M MTN6215-03.., System D MTN6215-59.., System D MTN6216-5910

Room Temperature Control Units

Controller, Fan Coil, Valves



SpaceLogic KNX Fan coil actuator REG-K



Version	Art. no.
light grey	MTN645094

For heating, ventilation and air conditioning control. For controlling fan convectors with up to three speeds, as well as for controlling three-step motor drives (continuous/pulse-width-modulated) or two-step thermal drives. The actuator supports 2-pipe and 4-pipe systems.

Two floating binary inputs for window contact and level contact for condensed water container, for example. Connection of 1-speed to 3-speed fans. The push-button plus with room temperature control can be used to activate the fan coil actuator.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software functions: Fan control:

In automatic mode, the fan speeds are controlled dependently by the control value of the push-button plus. The three fan speeds and automatic mode can be switched via EIB telegram. The fan can be controlled either directly or via actuators / suitable dimming actuators. Fan speed feedback is possible via corresponding status feedback objects e.g. status LED of the push-button. The fan speed as well as the automatic status "Auto" can be displayed on the display of the push-button plus with TCU.

Valve control:

Type of controller: PI controller (PWM and continuous).

Controller mode: Heating and/or cooling with common or separate valve outputs.

Operating modes: The operating mode is selected in the push-button plus with TCU.

Power supply: AC 230 V $\pm 10\%$, 50/60 Hz

Power consumption: max. 3 VA

Outputs: 3 floating contacts (fan coil), 2 semi-conductor switches (valve connections)

Switching capacity for valves: 0.5 A, AC 24V - 230 V

Additional relay switching capacity: 16 A

Fan relay switching capacity: 8 A

Inputs: 2, max. cable length 5 m

Operation: Key for fan levels and heating/cooling mode

Displays: 9 status LEDs

Device width: 4 modules = approx. 72 mm

Accessories: Thermoelectric valve drive 230 V MTN639125, Thermoelectric valve drive

24 V MTN639126, Push-button 2-gang plus with room temperature control unit System M

MTN6212-03.. /-04.., Push-button 4-gang plus with room temperature control unit System M

MTN6214-03.. /-04..



KNX valve drive with status LED and 2 inputs



Version	Art. no.
	MTN6921-0001

EMO valve drive for heating valves. The device has 2 inputs for window contacts or presence detectors for instance.

Valve lift display via red LEDs. With automatic valve lift detection. The valve drive can be connected directly to the KNX. A separate power supply is not required. With integrated bus coupler.

Power consumption: max. 10 mA

Lift: max. 7,5 mm

Positioning force: 120 N

Type of protection: IP 21

Protection class: III as per EN 60730

Installation: Snaps onto the valve adapter

Dimensions: (H x W x D) 82 x 50 x 65 mm

Contents: With 2 valve adapters (VA10/VA78).

Note: New Version (B) is available in Halogen and PVC free cable and housing.

Room Temperature Control Units

Controller, Fan Coil, Valves



Thermolectric valve drive 230 V



Version	Art. no.
polar white	MTN639125

Thermolectric valve drive for opening and closing valves. For 2-step or PWM control of heating, air conditioning and ventilation systems, individual room control of surface heaters, control of heating circuit distributors, radiators, convector heaters, cooling ceilings. Operation is carried out by the heating actuator REG-K/6x24/230/0.16A, fan coil actuator REG-K or a room temperature control unit (230 V) with 2-step or PWM output.

Valve adapters permit compatibility with a variety of valve bodies and heating circuit distributors.

- First-open function: The drive is factory-set to de-energised open. This allows the heating to be operated during the building shell phase.
- De-energised closed
- Functional display (open, closed, intermediate settings)
- Adjustment control
- Plug-in connecting cable
- Plug-in assembly

Supply voltage: AC 230 V, 50/60 Hz

Starting current: max. 350 mA for max. 100 ms

Power consumption: 1 W

Lift: approx. 4 mm

Running time: 3.5 min for 4 mm

Positioning force: 100 N ± 5 %

Circulating medium temperature: 0-100°C

Type of protection: IP 54 / II, in all installation positions

Connecting cable: 1 m, 2x0.75 mm² pluggable

Dimensions: 59.2x44.3x56 mm (HxWxD)

To be completed with: Room temperature control insert with switch MTN536302/04

In KNX, to be completed with: SpaceLogic KNX Fan coil actuator REG-K MTN645094

Accessories: Valve adapter VA50 for thermolectric valve drive MTN639150

Valve adapter VA78 for thermolectric valve drive MTN639178

Valve adapter VA80 for thermolectric valve drive MTN639180

Room Temperature Control Units

Controller, Fan Coil, Valves



Thermolectric valve drive 24 V



Version	Art. no.
polar white	MTN639126

Thermolectric valve drive for opening and closing valves. For 2-step or PWM control of heating, air conditioning and ventilation systems, individual room control of surface heaters, control of heating circuit distributors, radiators, convector heaters, cooling ceilings. Operation is carried out by the heating actuator REG-K/6x24/230/0.16A, fan coil controller REG-K or a room temperature control unit (24 V) with 2-step or PWM output.

Valve adapters permit compatibility with a variety of valve bodies and heating circuit distributors.

- First-open function: The drive is factory-set to de-energised open. This allows the heating to be operated during the building shell phase.
- De-energised closed
- Functional display (open, closed, intermediate settings)
- Adjustment control
- Plug-in connecting cable
- Plug-in assembly

Supply voltage: AC/DC 24 V +20%/-10%, 0-60 Hz

Starting current: < 300 mA for max. 2 min

Power consumption: 1 W

Lift: approx. 4 mm

Running time: 3.5 min for 4 mm

Positioning force: 100 N ± 5%

Medium temperature: 0-100°C

Type of protection/protection class: IP 54 / II, in all installation positions

Connecting cable: 1 m, 2x0.75 mm² pluggable

Dimensions: 59.2 x 44.3 x 56 mm (HxWxD)

To be completed with: Room temperature control insert with switch MTN536302/04

SpaceLogic KNX Power supply REG, AC 24 V/1 A MTN663529

In KNX, to be completed with: SpaceLogic KNX Fan coil actuator REG-K MTN645094

SpaceLogic KNX Power supply REG, AC 24 V/1 A MTN663529

Accessories: Valve adapter VA50 for thermolectric valve drive MTN639150

Valve adapter VA78 for thermolectric valve drive MTN639178

Valve adapter VA80 for thermolectric valve drive MTN639180

Room Temperature Control Units

Controller, Fan Coil, Valves



Valve adapter VA50 for thermoelectric valve drive



Version	Art. no.
	MTN639150

For Honeywell+Braukmann, Reich, Landis+Gyr, MNG, Cazzagniga. Valve adapters permit compatibility with a variety of valve bodies and heating circuit distributors
To be completed with: Thermoelectric valve drive 230 V MTN639125, Thermoelectric valve drive 24 V MTN639126

Valve adapter VA78 for thermoelectric valve drive



Version	Art. no.
	MTN639178

For Danfoss RA. Valve adapters permit compatibility with a variety of valve bodies and heating circuit distributors
To be completed with: Thermoelectric valve drive 230 V MTN639125, Thermoelectric valve drive 24 V MTN639126

Valve adapter VA80 for thermoelectric valve drive



Version	Art. no.
	MTN639180

For Heimeier, Herb, Onda, Schlösser (from 1993), Oventrop M30x1.5, TeSa. Valve adapters permit compatibility with a variety of valve bodies and heating circuit distributors
To be completed with: Thermoelectric valve drive 230 V MTN639125, Thermoelectric valve drive 24 V MTN639126



Accessories

Power Supplies

Power Supplies



SpaceLogic KNX Power supply REG, 24 V DC / 0.4 A



Version	Art. no.
light grey	MTN693003

Power supply for 24 V binary inputs.
 For installation onto DIN rails EN 50022.
 With integrated overload and short-circuit protection.
 For installation on DIN rails TH35 according to EN 60715.
Primary supply: AC 230 V, 48-63 Hz
Output voltage: DC 24 V +/- 3 %
Output current: max. 0.4 A
Output power: max. 10 W
Device width: 1 module = approx. 18 mm
For supplying power to: Binary input REG-K/4x24 MTN644892, Binary input REG-K/8x24 MTN644792



SpaceLogic KNX Power supply REG, AC 24 V/1 A



Version	Art. no.
light grey	MTN663529

Power supply for 24 V binary inputs, weather station REG-K/4-gang, analogue input module REG-K/4-gang, rain sensor, wind sensor with 0 - 10 V interface and heating, KNX/IP router REG-K.
 With fuse.
 For installation on DIN rails TH35 according to EN 60715.
Primary supply: AC 230 V, +/- 10 %, 50-60 Hz
Output voltage: AC 24 V
Output current: max. 1 A
Fuse: 5x20 mm, 250 V, T 160 mA
Device width: 5 modules = approx. 90 mm
For supplying power to: Binary input REG-K/8x24 MTN644792, Wind sensor with 0-10 V interface and heating MTN663592, Thermoelectric valve drive 24 V MTN639126
Contents: With spare fuse.

C		M		MTN6215-5910	98, 118, 234
C2E616101_GY_C1	121	MTN5761-0000	77	MTN6216-5910	100, 119
C2E616101_MB_C1	121	MTN5775-0003	99, 104, 119	MTN6221-0319	233
C2E616101_MB_C1B	121	MTN6002-0002S	57, 146	MTN6221-0325	233
C2E616101_WE_C1	121	MTN6002-0004S	57, 146	MTN6221-0414	233
C2E616101_WE_C1B	121	MTN6002-0008S	58, 147	MTN6260-7760	94
C2E616102_MB_C1	121	MTN6002-0108S	58, 147	MTN6260-7770	94
C2E616102_ST_C1	121	MTN6003-0011	184	MTN6270-0000	99, 105, 117
C2E616103_MB_C1	121	MTN6003-0012	185, 198	MTN6270-0010	103
C2E616201_GY_C1	122	MTN6003-0013	216	MTN6270-0011	117
C2E616201_MB_C1	122	MTN6005-0011	171	MTN6270-0015	120
C2E616201_MB_C1B	122	MTN6010-6535	120	MTN6300-0002	167
C2E616201_WE_C1	122	MTN6185-0319	103	MTN6300-0019	161
C2E616201_WE_C1B	122	MTN6185-0325	103	MTN6302-6033	160
C2E616202_MB_C1	122	MTN6185-0414	103	MTN6302-6034	160
C2E616202_ST_C1	122	MTN6185-0460	103	MTN6302-6035	160
C2E616203_MB_C1	122	MTN6185-6033	116	MTN6302-6036	160
C2E616301_GY_C1	123	MTN6185-6034	116	MTN6302-6050	160
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