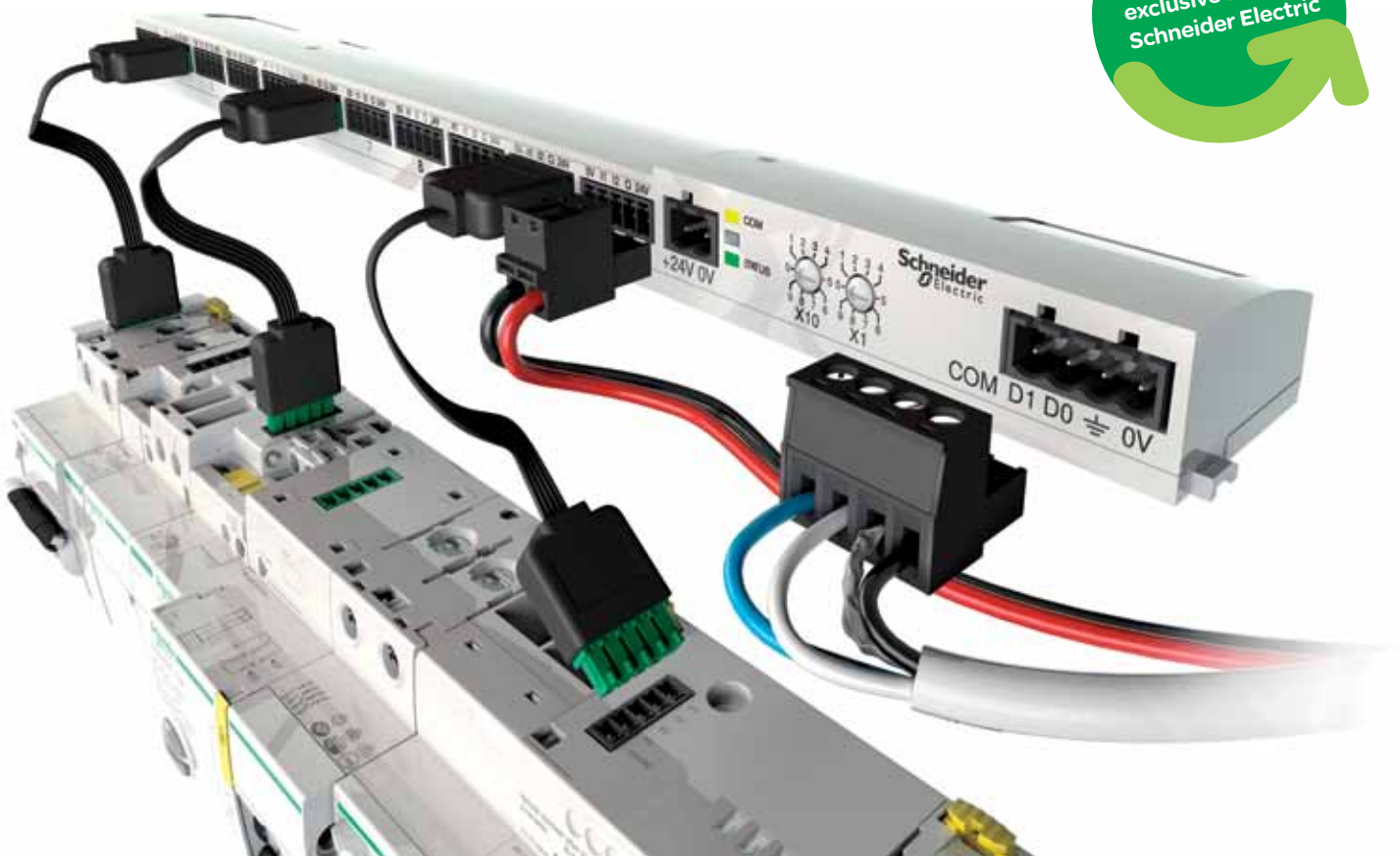


Easily connect your switchboards to facility management solutions

Acti 9 communication system gives your customers complete control of their installations



Acti 9: The efficiency you deserve

'Now we can monitor and control power consumption on each floor, production zone, office unit, and workshop in our site'.

A simple, powerful panel communication system like you've never seen before



It's never been simpler to integrate electrical distribution into facility management systems

> Optimise energy consumption and enable energy efficiency

- Collect and analyse data from energy meters in each area, for each type of load or circuit
- Automate, schedule and control operation of loads to optimise energy consumption

> Increase continuity of supply and power availability

- Get immediate, precise warning in case of power loss
- Quick and easy installation

> Allocate costs

- Meter energy use, from large areas or sectors to individual loads



Its communication system makes Acti 9™ smart, ready-to-connect, efficient and safe

... and it's never been easier to connect!

Acti 9 communication system

> Smart

- Centralise control and collect energy meter data with just a simple, ready-to-connect communication module
- Large diversity of data available to universal Modbus protocol

> Efficient

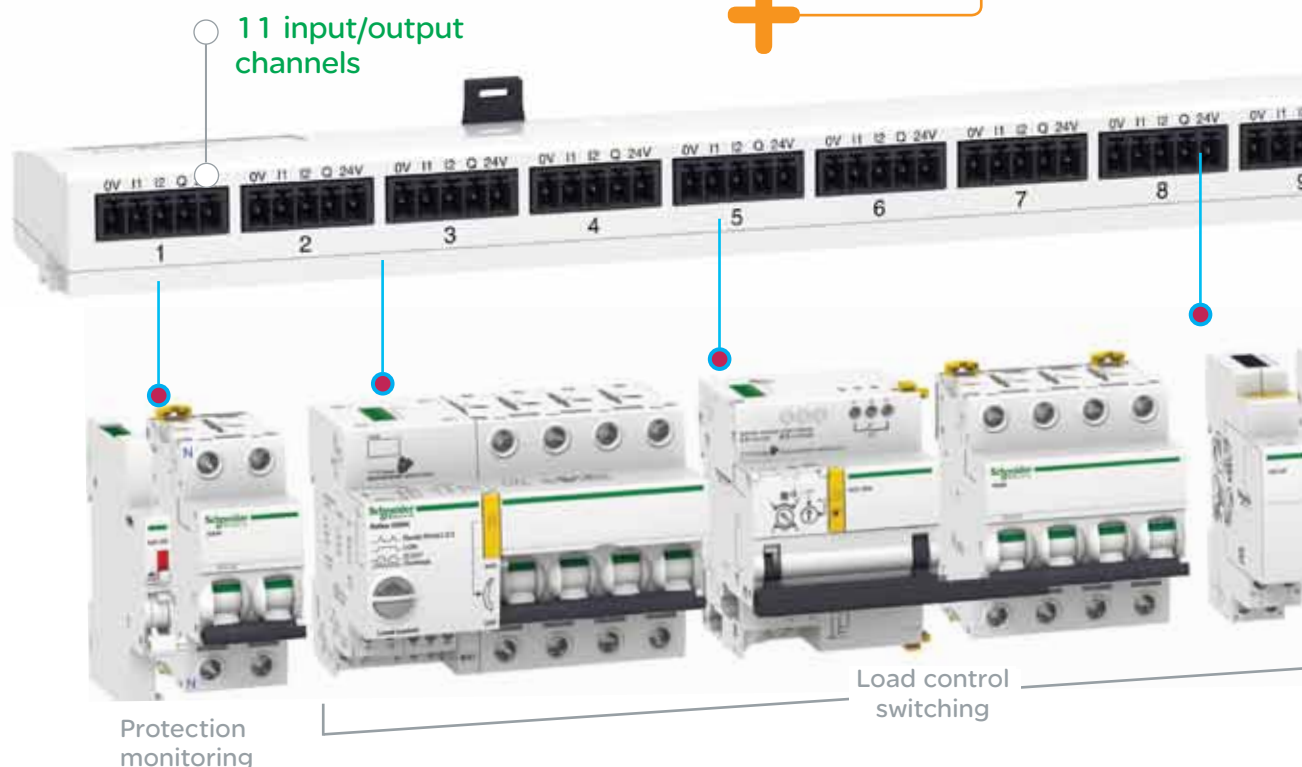
- One-click, prefabricated wiring for comprehensive communication between your distribution panel and any facility management system

> Safe

- Reliable, error-proof manufacturer-guaranteed connections
- EMC tested for immunity, radiated and conducted safety

Acti 9 Smartlink: the heart of the system

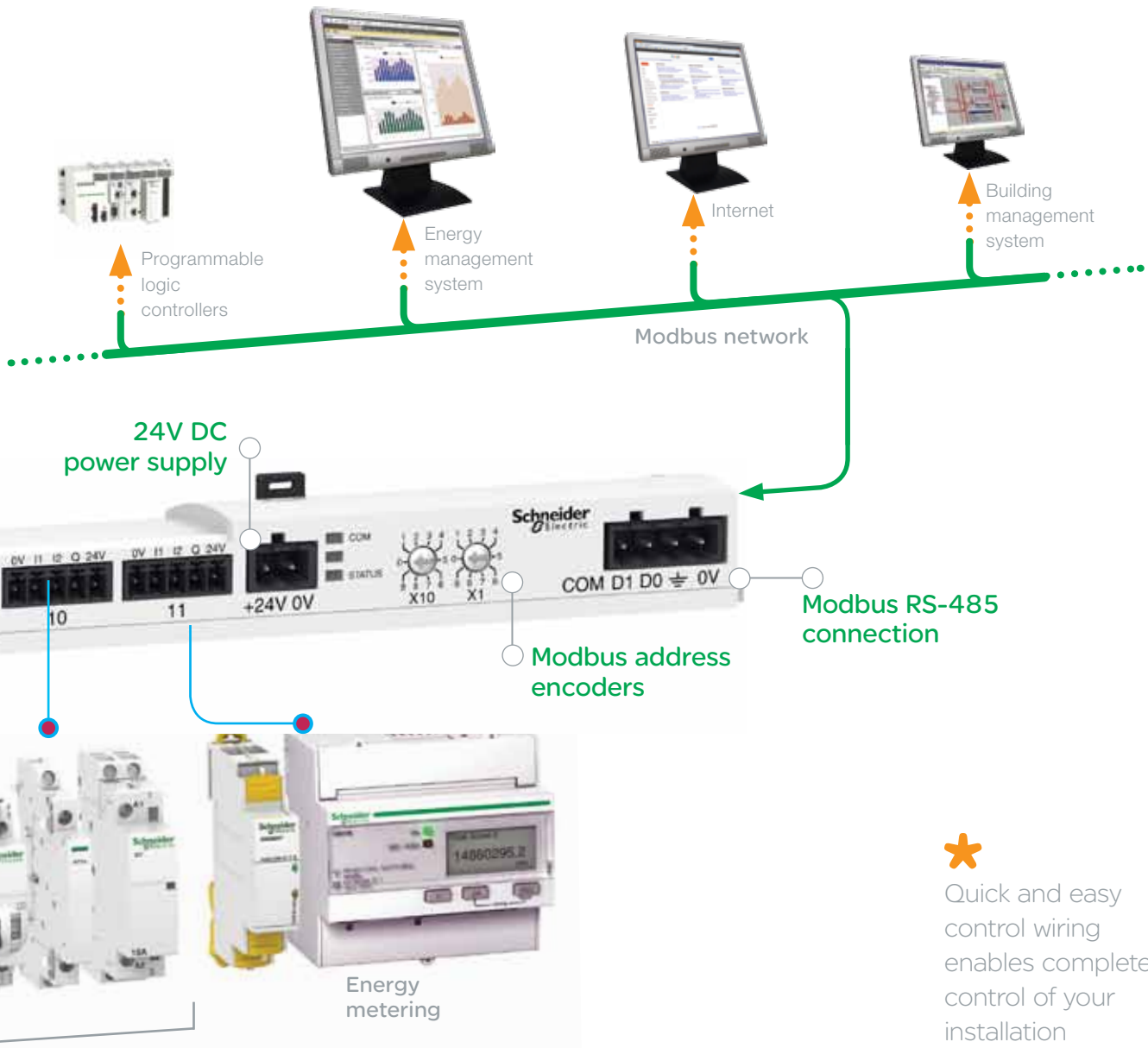
Available only from
Schneider Electric™



Meets the challenge of all your applications

Interior and exterior lighting, load monitoring and cost allocation

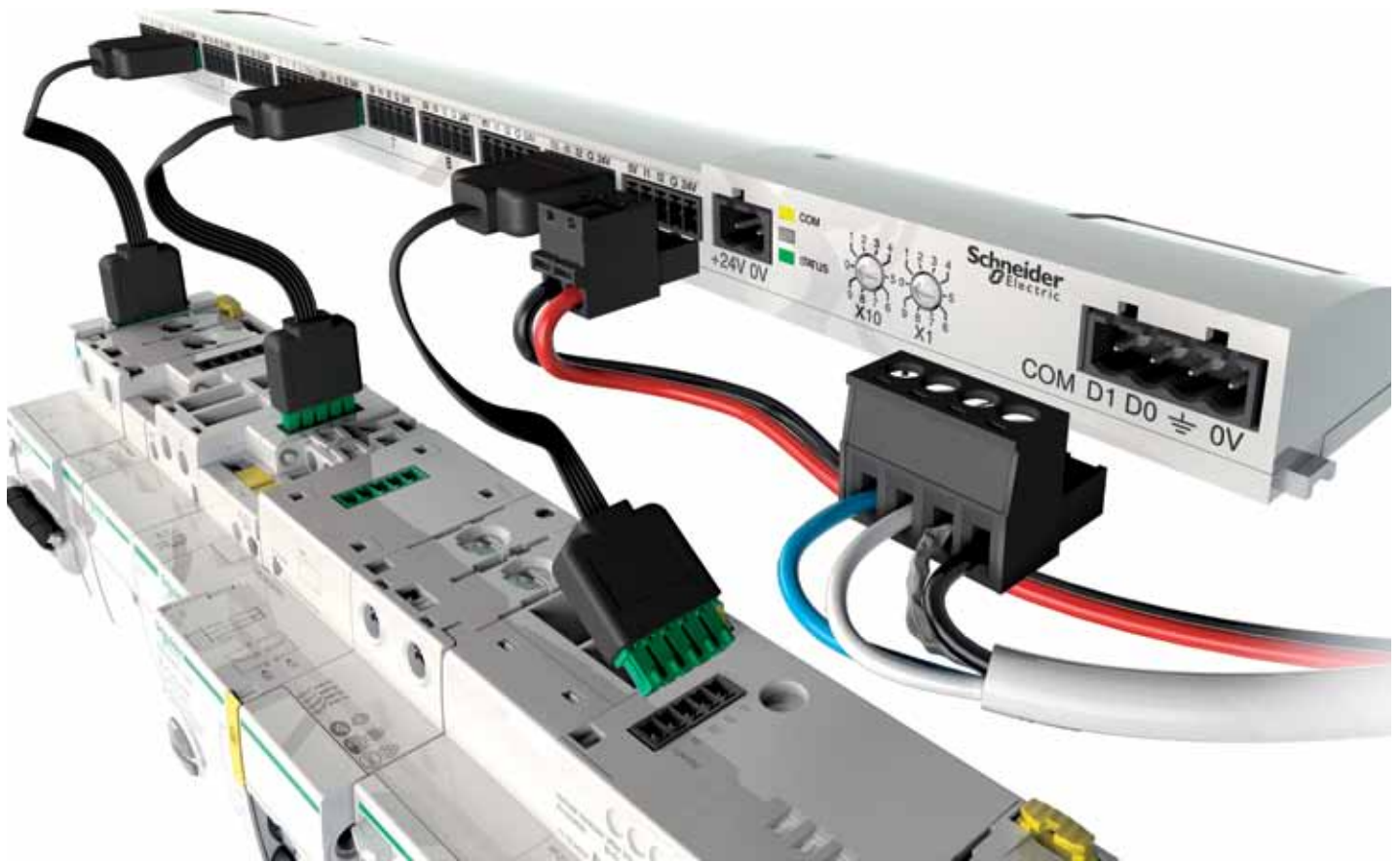
Ready to connect to any facility management solution



Monitor and adjust specific loads

Detailed load control, reduced downtime and accurately planned maintenance

Smart and ready to be connected



As flexible, reliable and extendable as you need it to be

Unlike conventional distribution panels which require extensive wiring and communication cabling, Acti 9 integrates easily into any existing facility management system. Its flexibility reduces project and installation costs, and provides the most reliability, extendability and upgradeability to your customers. With robust Modbus communication, the Acti 9 communication system can adapt to any future developments and becomes a key element in your energy efficiency strategies.



Plug and play

Automatic configuration of RS485 at first run connection

Acti 9 revolutionises communication in distribution panels

Smart for system design

Reduce project costs with a simple, evolutive system

- Designers can dramatically reduce building design and installation costs without detailed wiring
- Makes any panel reconfiguration simple
- Daisy chain connections between all your switchboards, due to Modbus communication



Easy to integrate

Open and universal

- Acti 9 Smartlink auto-adapts, presenting clear, concise data
- Can communicate with any 24V-compatible devices
- Easy-to-read Modbus communication tables streamline commissioning



Designed for step-by-step investments

- Easily add any devices when it's needed
- Upgrade easily to suit any building usage evolution



100% compatible

Fully compatible with any facility management system; control mode flexibility adapts easily to requirements

Easy control wiring with one simple device

40%

the amount of
time you save
with the Acti 9
communication system



Efficient

Control wiring has never been so flexible and fast to implement

No need for complex wiring or in/out terminal blocks crowding the switchboard. Acti 9 Smartlink has one-click, prefabricated connectors for fast and easy data transmission support in your distribution panel.

Save time to operate and maintain

Schedule interventions and maintenance accurately

Maintenance personnel can:

- Enjoy legible, easy-to-understand control wiring
- Confidently plan onsite maintenance times



Improve power availability and decrease operations costs

Operators can:

- View real-time, higher-resolution data on outgoers, to minimise downtime on each circuit
- Instantly find the location of faulty outgoers
- Perform preventive maintenance to maximise uptime with information like number of switchings or running hours for controlled loads



Save 40% of time spent on control wiring

- Less control wiring and cabling
- Error proof connections
- No interface relays
- Automatic generation of as-built control description diagrams



Most efficient for your time

Easy implementation and maintenance for maximum comfort and peace of mind

Safe and reliable
for the lifetime of
your installation



Absolutely safe

Complete peace of mind for the lifetime of your installation

The Acti 9 communication system guarantees safe, reliable operation for the lifetime of your installation. It is specifically designed to integrate safely into final distribution panels and gives your customers the greatest level of protection and control, even in demanding environments.



A fully EMC-certified communication system

Trust your installation status

With the Acti 9 communication system, special attention was given to electromagnetic compatibility (EMC). No matter what type of application, you can trust the integrity of data and know precisely what is happening on your circuits at all times.



EMC tested for immunity, radiated and conducted safety



100% reliability

Guarantee data integrity for the life of your installation

Designers can trust that all Acti 9 devices are fully tested and compliant with industry regulations. The Acti 9 communication system is based on reliable 24V low-level contacts which guarantee data transmission will not alter over time.



The Acti 9 communication system is high quality without compromise



Fully compliant

60947-5-1, IEC 60947-5-4 and IEC 61131-2

Introducing the Acti 9 communication system

Acti 9 Smartlink: The heart of the system



Modbus processing interface providing:

- Circuit breaker status
- Energy meter output
- Contactor/impulse relay control and status

Smart functions integrated:

- Energy counting from pulses
- Average power calculation
- Event counting
- Running hours

Available only from
Schneider Electric



Circuit breaker auxiliary



iOF+SD24, OF+SD24

- 24V DC low-level contacts
 - CB open/closed position
 - CB tripping indication

Pre-cabled links



- Pre-cabled for error-proof connections
- Available in various lengths

Energy meters



iEM2000T iEM3110

- DIN rail mounted
- Designed for metering active energy consumed by a single- or 3-phase electric circuit

Contactor auxiliary



iACT 24

- 24V:
 - Command to contactor
 - Open/closed contactor position
- 230V command to contactor
 - Various configurable local/remote control combinations

Integrated control circuit breaker



Reflex™ iC60

- 24VDC and 230 VAC
 - Command
 - Open/close position
 - Tripping indication
- Various configurable local and remote control combinations

Impulse relay auxiliary



iATL 24

- 24V:
 - Command to impulse relay
 - Open/closed impulse relay position
- 230V command to impulse relay
 - Various configurable local/remote control combinations

Circuit breaker remote control



RCA iC60

- Remote opening/closing of MCBs
- Remote control resetting after tripping
- 24VDC and 230VAC command and MCB position
- Various configurable local/remote control combinations

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