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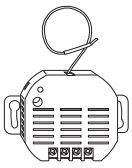
Schneider Electric

CONNECT radio receiver, flush-mounted, 2-gang switch

Operating instructions



Art. no. MTN507502

For your safety

DANGER

Risk of fatal injury due to electrical current
All work on the device should only be carried out by trained and skilled electricians. Observe the country-specific regulations.

CAUTION

Operating devices that do not correspond to the technical specifications (see technical data) can result in damage to the connected devices and flush-mounted receivers.

Flush-mounted receiver introduction

The flush-mounted CONNECT radio receiver for the switch will be referred to in the following as "the flush-mounted receiver".

The flush-mounted receiver can be used to switch loads on and off via radio (for information on allowed loads, see the technical data). When it receives the radio signal, the flush-mounted receiver switches the corresponding contact.

The flush-mounted receiver cannot be used in a wired two-way circuit.

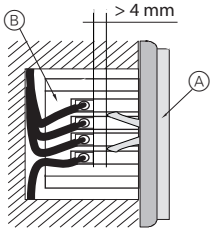
Installing the flush-mounted receiver

DANGER

Risk of fatal injury from electric current.
The device has no basic insulation and must therefore be installed in a way that protects against accidental contact.

DANGER

Risk of fatal injury from electrical current.
Once a cover Ⓐ is installed, the distance from the fixing brackets or screws to the connections of device Ⓑ must be at least 4 mm.



If the distance is less than 4 mm, a deeper installation box must be used.

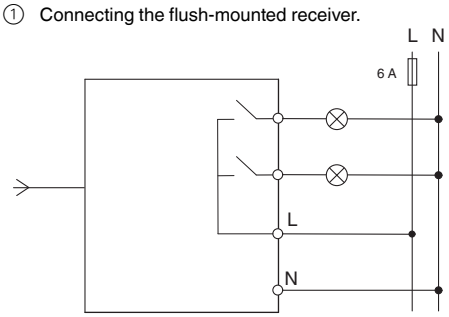
Also, the fixing brackets or screws of the cover must not press against the housing.

CAUTION

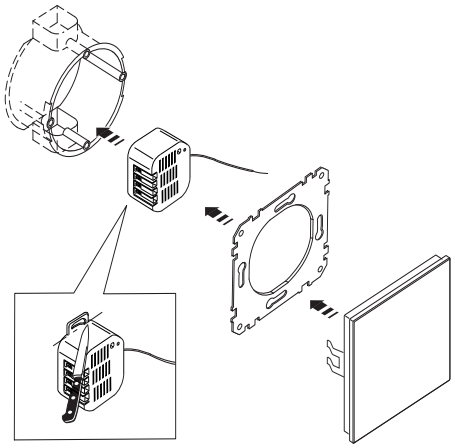
The device can be damaged if not correctly protected.
Fuse the circuit containing the connected loads in accordance with the maximum allowed power consumption (see technical data).

Simply install the flush-mounted receiver "invisibly" near the load to be connected, for example in a flush-mounted socket with a blanking cover.

① Connecting the flush-mounted receiver.



② Installing the flush-mounted receiver.



Place the antenna as far as possible from metal parts (connecting cables, retaining rings, etc.) to avoid interruptions to the radio signal.

Metal surfaces in the immediate vicinity (e.g. flush-mounted metal outlets, metal door frames) can affect reception.

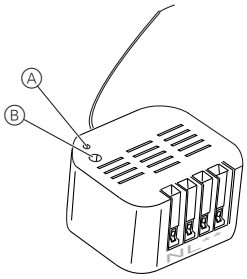
Operating the flush-mounted receiver

You can operate the flush-mounted receiver using the following operating elements:

- A taught CONNECT transmitter (e.g. CONNECT radio push-button/CONNECT sensor surface).
- Briefly press switch button Ⓑ on the device: switches channels, press and hold for approx. 1 second: toggles the channels.

The channel currently selected is shown by the LED Ⓐ:

- flashing once every 3 seconds: Channel 1
- flashing twice every 3 seconds: Channel 2



Ⓐ LED
Ⓑ Switch button

While the flush-mounted receiver is not connected to a CONNECT radio system, both channels can only ever be switched at the same time.
Only insulated tools may be used for operation on the device, e.g. an insulated phase tester.
If the flush-mounted receiver is configured with EASY CONNECT, not all functions/channels can be used. A description of the EASY CONNECT radio system can be found in the separate "CONNECT radio system" description, which is supplied with devices with system administration (e.g. CONNECT radio push-button).

What should I do if there is a problem?

You can analyse and check faults throughout the radio system with the help of the CONNECT radio USB data interface (on a suitable PC) and the CONNECT radio configuration tool.

The device does not react to the taught transmitter:

- Make sure that the maximum range is not exceeded and that there are no metal surfaces such as metal cabinets in the radio transmission path.
- If necessary, check that the battery is placed correctly in the radio push-button and that it is not flat.
- Make sure that the device is not in programming mode. (If the LED is flashing, this is the case.)
- If necessary, repeat the teaching process.

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Resetting to factory settings (Reset)

Under certain circumstances, it is necessary to reset this device (and possibly the other devices in the radio system) to its factory settings and to reconfigure the radio system:

CAUTION

When you reset to the factory settings, all the settings and connections for this CONNECT device are lost. The radio system may no longer work and will need to be reconfigured: see the separate description of the CONNECT radio system (supplied with devices with system administration).

① Change to channel 1 (to toggle channels, press and hold down the switch button for approx. 1 second; the channel 1 LED Ⓐ flashes every 3 seconds).

② Using an insulated tool such as an insulated phase tester, tap switch button Ⓑ three times in quick succession (within approx 1.5 seconds).

LED Ⓐ flashes at one-second intervals.

③ Then press and hold the switch button until the LED stops flashing (approx. 5 seconds).

The device has now been reset to its factory settings.

Technical data

Connected loads:	AC 230 V, 6 A; cos φ = 0.6
Allowed loads per channel:	600 W (incandescent lamps 230 V) 600 W (halogen lamps 230 V) up to 4 EBs; (e.g. OSRAM De-Luxe HF 4501)
Type of protection:	IP 20
Radio frequency:	868 MHz
Radio protocol:	Z-wave
CONNECT device type:	Receiver
Range:	up to approx. 100 m outdoors up to approx. 30 m in buildings (depending on building materials)
Dimensions (H x W x D):	approx. 48 x 52 x 27 mm, without connecting cables

Notes for experienced users who want to use this device with Z-wave compatible devices from other manufacturers:

Z-wave device type	Routing slave
Learn -Mode: (for integration into Z-wave systems of other manufacturers)	Triple click on the switch button
Send “Node info frame”	Triple click on the switch button.

List of functions	Parameter number
Staircase timer	176, 177
Additional limit duration (after brief interruption)	183

Z-wave designation	CONNECT designation
Inclusion	Teach (sends Node info frame), see CONNECT radio system description
Exclusion	Reset to factory settings; complete programming
Primary	Device with system administration

This device can be used with al devices that are compatible with Z-Wave; this also applies to devices from other manufacturers. Each Z-Wave-compatible device can be added to a Z-Wave system, in which case it then also functions as a router providing command forwarding is supported. Configuration of a Z-Wave system is described in the description of devices with system administration (e.g. CONNECT radio push-button). Some functions are only possible with devices that are compatible with the CONNECT radio system.

Schneider Electric Industries SAS

If you have technical questions, please contact the Customer Care Center in your country.

www.schneider-electric.com

This product must be installed, connected and used in compliance with prevailing standards and/or installation regulations. As standards, specifications and designs develop from time to time, always ask for confirmation of the information given in this publication.

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