

Universal switching receiver RCM 250

The universal one-channel radio switch actuator RCM 250 serves to switch various 230V electronic loads such as incandescent lamps, high-voltage halogen lamps, electronic ballast, wireless controlled from EnOcean battery-less radio transmitters.

The RCM 250 receiver can learn a maximum of 30 EnOcean easyfit PTM radio switches or up to 2 EnOcean easyfit STM 250 radio window contacts. By assigning the first transmitter the operating mode is defined. The operating mode can only be changed after deleting all transmitters with the CLR button.

Mode RADIO SWITCH: Each assigned PTM transmitter can be used to change the switching state of the receiver output. It is possible to switch ON with one switch and OFF with another switch.

Mode RADIO WINDOW CONTACT: If at least one of the assigned window contacts is open the switching state of the receiver is ON. If both contacts are closed the state is OFF. The radio window contacts are transmitting a life signal typically every 15 minutes. Around 60 minutes after reception of the last life signal the receiver considers this contact to be closed.

Features overview

Antenna	internal
Power supply	230V AC $\pm 10\%$, 50 Hz
Power dissipation	0.9 W typ.
Relay Output	maximum load 1100VA resistive ($\cos\phi=1$) 400W tungsten (incandescent lamp), 360W ballast with $\cos\phi=0.4-0.6$ (fluorescent lamp)
Frequency/ Channel bandwidth / Sensitivity	868.3 MHz / 280 kHz / -95 dBm
Control inputs	2 pushbuttons LRN (set receiver into learning mode) and CLR (clear all)
Learn Mode indication	acoustic feedback (switching noise of relais)
Number of RF transmitters learnable	up to 30 switches or up to 2 magnet contacts Note: either PTMs or either STM250s can be learned, not mixed (for priority reasons)
Dimensions of housing	48 x 35 x 29 mm
Operating temperature	-10 up to +45 °C
Humidity	0% to 95% r.h., no condensing

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Easy learning of radio transmitters:

- 1.) Set the receiver into Learning Mode via pressing LRN pushbutton. The receiver will confirm Learning Mode via a cyclic output switching behaviour (1 sec. switch-over time)
- 2.) Operate the associated radio transmitter, the receiver will confirm the correct learning of sender code (switch-over paused for 4 seconds).
- 3.) Repeat 2. for learning further radio transmitters or press LRN again for ending the Learning Mode.

Type
RCM250

Ordering Code
H5102-B250