

Pulse RX10 Universal Receiver



Standards, Approvals & Directives

Directives:

- Low Voltage Directive 2006/95/EC
- Electromagnetic Compatibility Directive 2004/108/EC
- Radio and Telecommunication Terminal Equipment Directive R&TTE 199/5/EC

Standards:

- EN 60669-2-1: 2004
- EN 60669-1: 1999+A1: 2002 except clause 26.1.1
- EN 301 489-1: V1.8.1; EN 301 489-3: V1.4.1
- EN 61000-6-2: 2005
- EN 300 220-1: V2.1.1; EN 300 220-2: V2.1.2

Description

The Pulse RX10 is a universal one-channel radio receiver that switches various 230V electronic loads such as incandescent lamps, high voltage halogen lamps or electronic ballasts.

The receiver is wirelessly controlled by self powered radio transmitters.

Features

- Can learn a maximum of 30 radio switches and up to 2 radio window contacts.
- Radio Switch Mode: 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.
- 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 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.

Compatibility

The Pulse RX10 is used in conjunction with a Pulse10 ON/OFF Wireless Switch and is also compatible with EnOceans technology.



Applications/Uses

Used to operate 230V electronic loads wirelessly.

Typical Applications include: Building Installations, Industrial Automation and Consumer Electronics.

Installation

Learning of Radio Transmitters:

1. Set the receiver into 'Learn Mode' by pressing the '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 pause for 4 seconds)
3. Repeat 2 for learning further radio transmitters or press LRN again for ending the learning stage.

Ordering

Catalogue number:
Pulse RX10

Please see the Wandsworth Catalogue for further information

Finish Available: White

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Pulse RX10 Universal Receiver

Technical Specification

Pulse RX10 Universal Receiver	
Current Ratings:	Typ. For 400W resistive loads and 360W inductive
Terminal screw size:	M2.6
Rated terminal Screw Torque:	0.4 Nm
Terminal Capacity:	Single Wire (solid): 1.5mm ² Stranded Wire (flex): 1.0mm ² Stranded Wire with Ferrules: 0.75mm ²
Antenna:	Internal
Power Supply:	230V AC ± 10%, 50Hz
Power Dissipation:	0.9W typ.
Relay Output:	Maximum load 1100VA resistive (cosφ=1) 400W Tungsten (incandescent lamp) 360W Ballast with cosφ=0.4 - 0.6 (fluorescent lamp)
Frequency:	868.3 MHz
Channel Bandwidth:	280 kHz
Sensitivity:	-95 dBm
Control Inputs:	2 Pushbuttons 'LRN' and 'CLR'
Learn Mode Indication:	Acoustic feedback (switching noise of relays)
Number of RF Transmitters Learnable:	Up to 30 switches or up to 2 magnet contacts
Dimensions of Housing:	48 x 35 x 29mm
Humidity:	0% to 95% r. h., no condensing
IP Rating:	IP3X

