



FEATURES

- Communicates with self-powered wireless switches
- Integrated EnOcean radio receiver
- Simple programming
- Installs in minutes
- Control with up to 30 switches
- Switches are powered by energy harvesting technology; no batteries required
- 868 MHz radio frequency
- Range Indoor: 50-150 feet
- Residential and commercial applications



**120V
Relay Receiver**
E8R-R12BP-1



**277V
Relay Receiver**
E8R-R27FP-1

DESCRIPTION

The Built-In Relay allows lights and fans to be controlled by a wireless switch or remote. The Built-In Relay is programmed to work with EnOcean wall mounted switches and hand held remotes. The Built-In Relay simply wires into any light or ceiling fan.

The Built-In Relay connects to EnOcean transmitters with a simple ID learn sequence that stores transmitter IDs so that the Relay knows which transmitters it responds to. The Plug-In Relay turns a device off or on when a transmitter push button is pressed.

EnOcean transmitters use energy harvesting technology to operate maintenance free for over 20 years. The technology does not use batteries or anything else that would require replacing. The transmitters are powered using captured mechanical energy.

120V RELAY RECEIVER SPECIFICATIONS

Power supply	120-125VAC
Relay output/Maximum Loads	110-125VAC, 8.2
Lighting	200W tungsten (incandescent lamp) 140W ballast with cos=0.4-0.6 (fluorescent lamp)
Non-lighting Devices	1000W resistive (cos=1)
Number output channels	1
Frequency	868 MHz
Indoor Range	50-150 feet
Dimensions	47.0 x 33.0 x 28.0 mm
Weight	5 oz.
Radio Certifications	FCC

277V RELAY RECEIVER SPECIFICATIONS

Power supply	277VAC
Relay output	20A Ballast load at specified voltage
Number output channels	1
Frequency	848.3MHz
Channel bandwidth / Sensitivity	280KHz / -95dbm
Dimensions	45/8" Lx27/8" Wx23/4" D (117.5Lx73.0Wx69.9mm)
Weight	5 oz.
Certifications	Line Voltage switching element UL/CSA approved

Self-powered
WIRELESS CONTROL™

COMPATIBLE WIRELESS TRANSMITTERS



Wall-mounted Light Switches



Handheld Switches

Ad Hoc Electronics' wireless experts are dedicated to the success of your wireless designs.

For questions or comments, please contact us:

E-mail: support@AdHocElectronics.com
Telephone: (801) 225-2226
Web: AdHocElectronics.com

Business Hours:
8am-5pm Mountain Standard Time