

LightLEEDer

Wireless Remote 5 Amp and 20 Amp Relays

Overview

The LightLEEDer Wireless Remote Relays are designed to be mounted at the power junction box or lighting fixture for direct control of the lighting load. Wireless relays come with 0-10V dimming and are available as a 5 Amp 1-load, 20 Amp 1-load, or 20 Amp 2-load configurations. The relays utilize latching contacts for low power consumption and are rated for handling high LED inrush. Communication is done over the 915 MHz radio frequency, and allows for both direct link and networked applications.



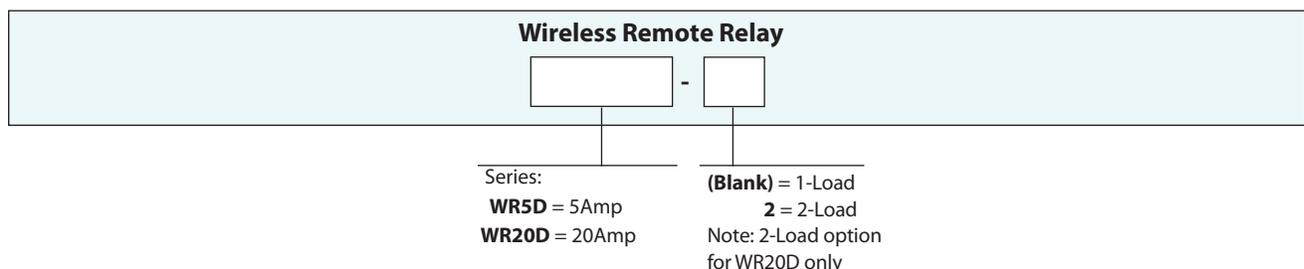
Features

- **Made in the USA**
- **Wireless** Remote relays with 915 MHz radio communications
- **5 Amp** WR5D relay with dimming
- **20 Amp** WR20D and WR20D-2 relay with dimming for lighting loads or 20 Amp Plug-load.
- **Latching** relay holds position without presence of power, saving energy
- **Direct mounting** at power junction box or light fixture with 1/2" K.O. mounting
- **Direct link** and relay control button with status LED
- **6" Wire leads** for line/load and dimming connections
- **600V rated wire** allows 0-10V in high voltage compartment
- **Isolated 0-10V** Dimming control

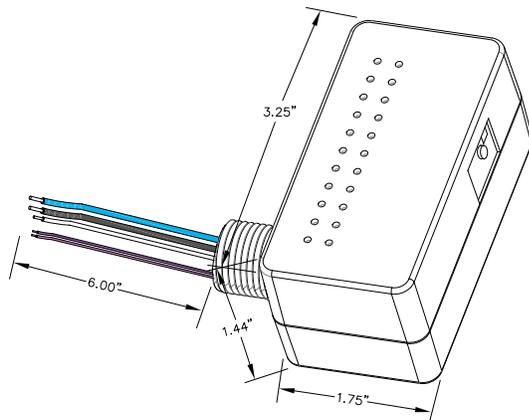
Warranty

Six Years Limited Warranty

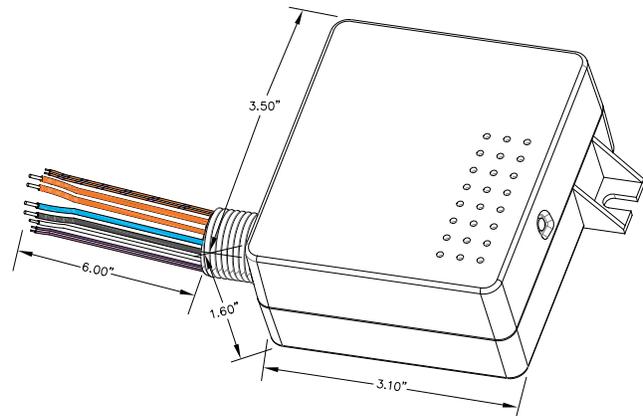
Ordering



Physical



WR5D

WR20D
WR20D-2

Specifications

Safeguards:

- Overrated contacts to extend relay life
- Inrush rated for LED electronic loads
- 600VAC rated wire leads including 0-10V leads
- 4000V Isolated 0-10V dimming output

Physical:

WR5D:

- Dimensions 3.25" x 1.75" x 1.44"

WR20D, WR20D-2:

- Dimensions 3.10" x 3.50" x 1.60"

- Polycarbonate plastic enclosure
- 1/2" nipple for mounting to electrical box or fixture
- 6" wire leads for connections provided
- Link and control button and status LED
- Plug Load compatible for outlet control

Wireless Control:

- 915Mhz radio frequency transceiver
- 50 foot line of sight communication
- Direct-link Relays to LSG3-W switch stations and sensors
- Link to LLEVO-W controller for networked panel operations.

Electrical:

WR5D:

- 5Amps, 120/277 VAC tungsten
- 5Amps, 120/277 VAC electronic ballast /LED/CFL
- 1/4 HP @ 120VAC motor load
- 50mA Sink for 0-10V dimming

WR20D, WR20D-2:

- 20Amps, 120/277 VAC tungsten
 - 16Amps, 120/277 VAC electronic ballast /LED/CFL
 - 1/4HP @ 120VAC motor load
 - 100mA Sink for 0-10V dimming
- Ratings are per relay output

Operating Environment:

- Location: Interior space
- Operating Temperature: 0° to 50° C
- Humidity: 10% - 90% Non-condensing
- Atmosphere: Non-explosive/corrosive
- Vibration: Stationary

Certifications and Approvals:

- UL CUL 916/924
- Plenum Rated UL 2043
- FCC Part 15