

# Low Voltage Relay Receiver

## E3R-R04FP-4 (4 Channel Low Voltage Relay Receiver)

## E3R-R04FP-8 (8 Channel Low Voltage Relay Receiver)

The ILLUMRA™ Low Voltage Relay Receiver connects wireless light switches and sensors to new or existing control systems.

### Easy-To-Use

- Installs in minutes
- Easy-to-configure
- Requires no switch leg wires
- Compatible with many ILLUMRA switches

### Reliable Range

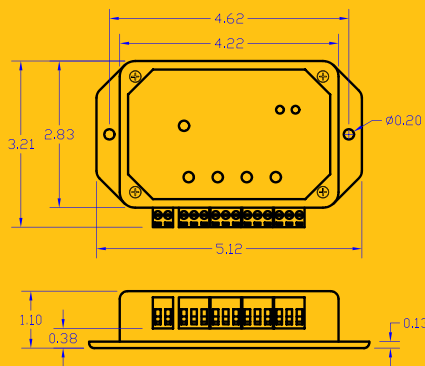
- 50-150 foot range (typical)
- Repeaters available for added range
- Error checking ensures response only to appropriate wireless switches

### Save Time and Money

Avoid costly and time-consuming installation of hardwire switches by choosing wireless ILLUMRA switches and receivers. The Low Voltage Relay Receiver controls up to 4 (or 8) devices or groups of devices. It receives commands from up to 80 ILLUMRA wireless transmitters.

### Save Energy

Conserve energy and save money by using the Low Voltage Relay Receiver with an occupancy sensor or by programming all channels to respond to a single master switch. ILLUMRA makes it easy to keep lights and systems off when not in use!



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### Simple Wireless Controls

- Architectural lighting
- Load shedding
- Industrial equipment control
- Utility lighting and more
- Automation

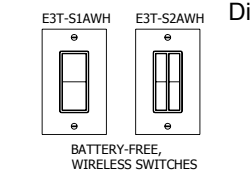
### Control The Way You Want It

- Control up to 4 or 8 separate devices or groups of devices
- Responds to up to 80 transmitters
- Dry contact output channels for relay/contactor applications
- Outputs can be programmed as either momentary or maintained contacts.

	E3R-R04FP-4	E3R-R04FP-8
Range	50-150 feet (typical)	
Frequency	315 MHz	
Power Supply Input Rating	8-28 VAC or 8-30 VDC, 250 mA max	
Output Rating	2 A at 30 VAC or DC	
Output Channels	4, Form C - N.O. and N.C. Dry Contacts	8, Form A — N.O. Dry Contacts
Operating Temperature	-13° to +140°F (-25° to +60°C)	
Storage Temperature	-40° to +140°F (-40° to +60°C)	
Dimensions	5.12"W x 3.21"H x 1.10"D 10.7cm x 7.2cm x 2.9cm	
Radio Certification	FCC (United States) SZV-TCMZXXC I.C. (Canada) 5713A-TCM2XXC	

### Network Diagram

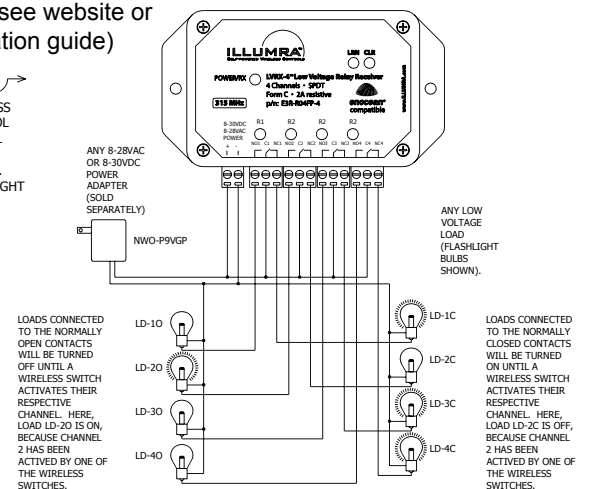
(4-Channel Relay.  
For 8-Channel Relay  
Diagrams see website or  
installation guide)



WIRELESS CONTROL SIGNAL UP TO 150 FT. LINE OF SIGHT

FORM-C RELAYS: THERE ARE FOUR RELAYS IN THE DEVICE. EACH RELAY HAS THREE TERMINALS AVAILABLE FOR EXTERNAL CONNECTIONS: COMMON, NORMALLY OPEN, AND NORMALLY CLOSED.

RELAY COMMON TERMINALS: EACH OF THE FOUR RELAYS HAS A COMMON TERMINAL. THE COMMON TERMINALS ARE NOT CONNECTED TO EACH OTHER INSIDE THE DEVICE. IN THE EXAMPLE SHOWN, THE COMMON TERMINALS ARE EXTERNALLY CONNECTED TO THE POSITIVE SUPPLY VOLTAGE. HOWEVER, THE COMMON TERMINALS CAN BE CONNECTED TO ANY VOLTAGE WITHIN THE SPECIFICATIONS OF THE RELAY TERMINALS. SEE DATASHEET.



LOADS CONNECTED TO THE NORMALLY OPEN CONTACTS WILL BE TURNED OFF UNTIL A WIRELESS SWITCH ACTIVATES THEIR RESPECTIVE CHANNEL. HERE, LOAD LD-20 IS ON, BECAUSE CHANNEL 2 HAS BEEN ACTIVATED BY ONE OF THE WIRELESS SWITCHES.

ANY LOW VOLTAGE LOAD (FLASHLIGHT BULBS SHOWN).

LOADS CONNECTED TO THE NORMALLY CLOSED CONTACTS WILL BE TURNED ON UNTIL A WIRELESS SWITCH ACTIVATES THEIR RESPECTIVE CHANNEL. HERE, LOAD LD-2C IS OFF, BECAUSE CHANNEL 2 HAS BEEN ACTIVATED BY ONE OF THE WIRELESS SWITCHES.

This device or certain aspects thereof is protected by at least one U.S. or international patent or has at least one such patent application pending.



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