

## 5 WIRE ENOCEAN WIRELESS RELAY RECEIVER AND REPEATER E9T-R02-5IBTP SERIES

### DESCRIPTION

The **ILLUMRA Model E9T-R02-5IBTP single channel relay receiver and repeater** allow lights and fans to be controlled by **ILLUMRA** self-powered wireless switches and sensors. The line-voltage relays help simplify advanced wireless lighting control.

### FEATURES

- Requires no switch leg or traveler wires
- Compatible with all **ILLUMRA** transmitters
- 50-150 foot range (typical)
- Each unit stores up to 25 light switch IDs



E9X-R02-5IBTP



### SPECIFICATIONS

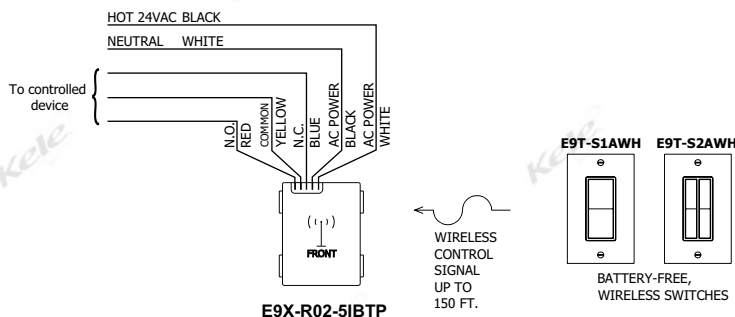
#### DEVICE OPERATION

<b>Supply Voltage</b>	Power stealing from circuit feed
<b>E9X-R02</b>	24 VAC, 1W
<b>E9X-R12</b>	120 VAC, 1W
<b>E9X-R24</b>	240 VAC, 1W
<b>E9X-R27</b>	277 VAC, 1W
<b>Sensor Type</b>	Input from up to 30 switch IDs
<b>Outputs</b>	SPDT, Dry contact
<b>Resistive</b>	16A (N.O.), 2A (N.C.)
<b>Incandescent</b>	120V/500W, 240V/1500W, 277V/1700W
<b>Ballast</b>	8 Amp, N.O. contact
<b>Pilot</b>	24V/75VA, 120V/360VA, 240V/720VA, 277V/830VA
<b>Motor load</b>	1/2 HP @ 120VAC, 1HP @ 240VAC
<b>Accuracy</b>	Digital On/Off
<b>Controls</b>	2 buttons through hole, (Learn, Clear)
<b>Mounting</b>	1/2" NPT hub w/ nut
<b>Wiring</b>	5 wire pigtail, 16 AWG, (2-PWR, 3-Form C)
<b>Operating Temperature</b>	14° to 122°F (-10° to 50°C)
<b>Operating Humidity</b>	0 to 95% RH, non-condensing
<b>Construction</b>	ABS Plastic, UL2043 plenum
<b>Color</b>	White
<b>Enclosure Rating</b>	NEMA 1 (IP40)
<b>Dimension</b>	1.73"W x 2.11"H x 1.09"D (4.39 x 5.36 x 2.77 cm)
<b>Weight</b>	0.3 lbs (0.14 Kg)
<b>Warranty</b>	3 years

#### RADIO TRANSCEIVER

<b>Protocol</b>	EnOcean
<b>Frequency</b>	902 MHz, (Classic 315 MHz available on request)
<b>Modulation</b>	Direct Sequence Spread Spectrum (DSSS)
<b>Receiver Sensitivity</b>	-102 dB
<b>Open Air Range</b>	50-150 ft (45m)
<b>Update Interval</b>	Continuous reception to each transmission it's trained too
<b>Antenna</b>	Internal
<b>Channels</b>	One
<b>Device Addresses</b>	100 transmissions per minute
<b>Programming</b>	Push button in field
<b>EnOcean Equipment Profile</b>	EEP #, Defines payload and control sequence use
<b>Light Switches</b>	F6-02-01, F6-02-02, F6-03-01, F6-03-02
<b>Key Card Switch</b>	F6-02-01, F6-02-02, F6-04-01,
<b>SLT Wireless Sensor</b>	F6-02-01, F6-02-02,
<b>Occupancy Sensors</b>	A5-07-01, A5-07-02, A5-07-03
<b>Door/Window Sensor</b>	D5-00-01, A5-30-01
<b>Light Sensor</b>	A5-06-01, A5-06-02
<b>Central Commands</b>	A5-38-08
<b>Repeater Capable</b>	Yes, (can increase open air range x2)
<b>Compliance</b>	RoHS, CE, CSA, UL244A
<b>900 MHz</b>	FCC ID# SZV-STM300U, IC# 5713A-STM300U
<b>315 MHz</b>	FCC ID# SZV-TCM2XXC, IC# 5713A-TCM2XXC

### WIRING



### ORDERING INFORMATION

**MODEL†**  
**E9X-R02-5IBTP**

**DESCRIPTION**  
5 wire relay receiver with repeater, nipple mounted, 24 VAC, 902 MHz

† Add -315 for 315 MHz at the end of the part number to order.