ILLUMRA™

Installation Guide

## Single or Dual Rocker Self-Powered Wireless Light Switch - 902MHz

Model(s):

E9T-S1Axx

E9T-S2Axx

Overview

The Single Rocker Self-Powered Wireless Light Switch is a battery-free wireless transmitter that communicates with a wide variety of receivers. Every time the switch is pressed a micro-generator produces a small electrical current that powers a built-in transmitter. This transmitter sends wireless signals that command the receiver to turn a device off or on. With an appropriate receiver, the switch can also be used to control the dimming of lights.
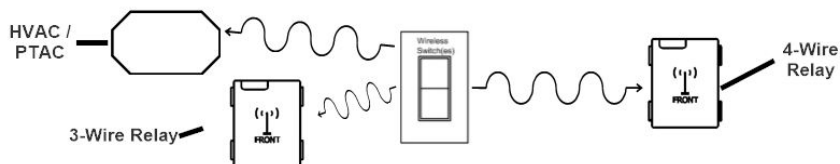
Compatible Devices:

- 3-Wire Relay
- 4-Wire Relay
- 8-Channel Low Voltage Receiver
- More receivers available

EnOcean Equipment Profiles (EEPs):

EEPs: F6-02-01, F6-02-02, F6-02-03

Components Included:

The following items are included with this product:
A. (1) ILLUMRA Self-powered Rocker Light Switch
B. (2) 6-32 x ¾" philips flathead self tapping screws
C. (2) 6 x 3/8" philips flathead screws
D. (1) Faceplate
E. (1) Installation Guide

Equipment needed for installation:

- Philips Screwdriver
- Hammer
- Drill
- 5/16" drill bit
- 2 sided foam tape (if adhesive mounting only)
- Plastic wall anchors and/or screws (if hardware mounting)

Contains FCC ID: SZV-PTM215U
Contains IC: 5713A-PTM215U

Link(s) to:

- 3-Way Switching Diagram
- Single Rocker Sw. Datasheet
- Dual Rocker Datasheet

Programming and Activation

Step 1: **Be sure not to mount the switch until after it has been programmed** to all appropriate receivers. Test the range of the wireless Light Switch before mounting.

Step 2: Make sure the switch is within 16 feet (5 meters) of the desired receiver when linking. Receivers have reduced range during linking mode.

Step 3: **Linking**: To link a wireless light switch with a receiver, press the rocker of the wireless light switch while the receiver is in the desired Link Mode (see receiver instructions for information on how to link the receiver - some receivers require triple press for linking)

Step 4: **Activation**: Once a wireless light switch has been linked to a receiver, simply press the rocker on the wireless light switch to control the load.

NOTE: 1) Do not attempt to activate the load while the receiver is in Link Mode or the receiver may accidentally link or unlink the switch.
2) When linking a switch to a receiver, press only one side of a rocker switch at a time.

Installation

Always follow local electrical codes when installing this device. Installation should be performed by a qualified electrician.

Screw surface mounting:
Step 1: If necessary drill pilot holes, and/ or install wall anchors.
Step 2: Use suitable screws (not included) to mount the wireless light switch spacer to the wall.
Step 3: Attach the Switch to the spacer back plate using 6x ⅜" screws
Step 4: Attach the faceplate using the mating snap prongs.

Adhesive (alternate surface mounting):
Step 1: Apply adhesive to the back plate of the switch.
Step 2: Affix the backplate, switch, and faceplate to the wall.

Switch box mounting:
Step 1: Set aside spacer back plate, it is not needed for this install..
Step 2: Attach the switch into the screw holes on the switch box using the 6-32 x ¾" machine screws.
Step 3: Re-install the faceplate using the mating snap prongs.
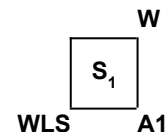
Layout Symbol
ANSI-J-STD-710

Specifications

Model(s)	E9T-S1Axx	E9T-S2Axx
Range	50-150 feet (typical)	
Frequency	902 MHz	
Power Supply	Self-generated when switch is pressed	
Output Channels	Only limited by number of receivers in range	
Dimensions	2.75" (W) x 4.5" (H) x 0.62" (Proj. max with spacer)	
Buttons	2 Buttons (1 rocker)	4 Buttons (2 rockers)
Radio Certification	FCC (US): SZV-PTM215U IC (CAN): 5713A-PTM215U	
Addressing	Factory set unique ID (1 of 4 billion)	
Ambient Operating Temp.♦ [Storage Temp.	-13◦ to +149◦F (-25◦ to +65◦C) [-13◦ to +149◦F (-25◦ to +65◦C)]	

♦ Temperature difference between controllers and switches should not exceed 140°F (60°C)

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