



**ILLUMRA™**  
SELF-POWERED WIRELESS CONTROLS

## Installation Guide

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ExT-S1AWH (White)  
ExT-S1AIV (Ivory)  
ExT-S1ALA (Light Almond)  
ExT-S1ABK (Black)  
ExT-S1ABR (Brown)  
ExT-S1AGY (Gray)  
ExT-S2AWH (White)  
ExT-S2AIV (Ivory)  
ExT-S2ALA (Light Almond)  
ExT-S2ABK (Black)  
ExT-S2ABR (Brown)  
ExT-S2AGY (Gray)

Frequency:  
E3T-SxAxx (315 MHz)  
E8T-SxAxx (868 MHz)\*  
E9T-SxAxx (902 MHz)

\*868 MHz not FCC approved

### Single or Dual Rocker Self-powered Wireless Light Switch



## 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
- 5-Wire Relay
- Plug-in Dimmer/Relay
- Plug-in Relay
- 4-Channel Low Voltage Receiver
- Room Controller
- More receivers available

### Transmitted 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 Single or Dual Rocker Self-Powered Light Switch
- B -- (2) 6-32 x 3/4" phillips flathead self tapping screws
- C -- (2) 6 x 3/8" phillips flathead screws
- D -- (1) Faceplate w/ screws
- E -- (1) Installation Guide

### Equipment Needed for Installation

- Slotted screwdriver
- Phillips screwdriver
- Double sided foam mounting tape (for adhesive mounting)
- Plastic wall anchors and screws (for screw mounting)

### Linking

(link switches to receivers)

- Step 1: **Do not mount the switch until after it has been linked** 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 link mode.
- Step 3: **Linking:** To link a wireless light switch with a receiver, simply 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 single switch at a time. The same applies to a dual rocker switch, press only one side of one switch at a time.

### Mounting

Wireless light switches can be mounted in a standard switch box or surface mounted using screws or adhesive.

#### Screw Surface Mount: (Figure A)

- Step 1: If necessary, drill pilot holes into the wall.
- Step 2: Use suitable screws (not included) to mount the wireless light switch to the wall.
- Step 3: Attach the Switch to the Back Plate using the included 6 x 3/8" screws (C).
- Step 4: Attach the faceplate after the switch has been attached to the wall (Faceplate screws are included).

#### Adhesive Surface Mount: (Figure B)

- Step 1: Attach the Switch to the Back Plate using the included 6 x 3/8" screws (C).
- Step 2: Attach the faceplate to the Switch and Back Plate assembly (Faceplate screws are included).
- Step 3: Apply adhesive tape to the Back Plate of the switch.
- Step 4: Affix the switch to the wall.

#### Switch Box Mount: (Figure C)

- Step 1: Set aside the Back Plate. It is not needed for this installation.
- Step 2: Attach the switch into the screw holes on the switch box using the 6-32 x 3/4" machine screws (B).
- Step 3: Attach the faceplate after the switch has been attached to the switch box (Faceplate screws are included).

## Specifications

	ExT-S1Axx	ExT-S2Axx
Range	50-150 feet (typical)	
Frequency	315 MHz, 868 MHz, 902 MHz	
Power Supply	Self-generated when switch is pressed	
Buttons	2 Buttons (1 rocker)	4 Buttons (2 rockers)
Output Channels	Only limited by number of receivers in range	
Dimensions	2.75 (W) x 4.5 (H) x 0.62 (D) inches	
Radio Certification	FCC (US): SZV-PTM200C, SZV-PTM210C or SZV-PTM210U IC (Canada): 5713-PTM200C, 5713-PTM210C or 5713-PTM210U	
Addressing	Factory set unique ID (1 of 4 billion)	

## Diagrams

Figure A: Screw Surface Mount



Figure B: Adhesive Surface Mount

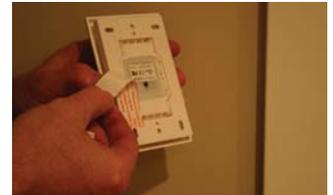


Figure C: Switch Box Mount



Contains FCC ID: SZV-PTM200C, SZV-PTM210C or SZV-PTM210U

Contains IC: 5713A-PTM200C, 5713A-PTM210C, 5713A-PTM210U

The enclosed device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (i) this device may not cause harmful interference and (ii) this device must accept any interference received, including interference that may cause undesired operation.

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

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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