



## Installation Guide

### Key Card Reader

E3T-C2AWH = (315 MHz)  
 E8T-C2AWH = (868 MHz)\*  
 E9T-C2AWH = (902 MHz)

\*868 MHz not FCC approved



## Overview

The Key Card Switch is a battery-free wireless transmitter that communicates with a wide variety of receivers. Every time a card is inserted a small micro-generator produces a small electrical current that powers a built-in transmitter. This transmitter sends wireless signals that command the receiver to turn the power supply to a device on. It signals the receiver to turn the power supply off again when the card is removed.

### Compatible Devices

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

### EnOcean Equipment Profiles (EEPs)

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

### Components Included

The following items are included with this product:

- A -- (1) ILLUMRA Key Card Switch

### Equipment Needed for Installation

- Slotted Screwdriver
- Hammer
- Drill
- 5/16" drill bit
- Mounting tape (for adhesive mount only)
- Plastic wall anchors and/or screws (for screw mounting)



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.

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. ILLUMRA is a trademark of Ad Hoc Electronics, LLC. Other trademarks herein are the property of their respective owners.

## 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 Key Card Switch before mounting.
- Step 2: **Makes sure the switch is within 5 meters of the desired receiver when programming.** Receivers have reduced range during programming.
- Step 3: **Programming:** To associate a Key Card Switch with a receiver, simply insert the card into the Key Card Switch while the receiver is in the desired Program Mode (see receiver installation guide for information on how to program the receiver). PLEASE NOTE: The Key Card Switch is designed for use in Momentary Mode. Only insert the card as many times as instructed by the receiver installation guide during Program Mode, or a switch association may be inadvertently un-learned.
- Step 4: **Activation:** Once the Key Card Switch has been associated with a receiver, simply insert the card to control the load.

## Installation

Wireless light switches can be surface mounted using screws or adhesive.

### Screws (surface mount):

- Step 1: Remove the Faceplate by unscrewing the two slotted screws. Set screws and Faceplate aside for later use (Step 4).
- Step 2: If necessary, drill four pilot holes into the wall.
- Step 3: Use suitable screws to mount the wireless light switch to the wall.
- Step 4: Re-attach the Faceplate.

### Adhesive (surface mount):

- Step 1: Apply adhesive to the Back Plate of the switch.
- Step 2: Affix the switch to the wall.

## Specifications

	ExT-C2AWH
Range	50-150 feet (typical)
Frequency	315 MHz, 868 MHz, 902 MHz
Power Supply	Self-generated when key card is inserted
Channels	1 (card IN, card OUT)
Dimensions	4.65" x 3.05" x 1.05" 118 mm x 77.4 mm x 26.6 mm
Recommended Card Size (Cards not included)	2.125" (W) x 3" (L) 54 mm (W) x 76mm (L) (standard credit card size)
Radio Certification	FCC (United States) SZV-PTM200C, PTM210C or PTM210U I.C. (Canada) 5713A - PTM200C, PTM210C, PTM210U
Addressing	Factory set unique ID (1 of 4 billion)