

Installation Guide

Shade Controller





Overview

The Shade Controller provides control to new and/or existing window shades and blinds. The receiver responds to radio signals from self-powered wireless light switches, providing control for 2 independent output channels. Each output channel consists of two signals, UP and DOWN, for a total of 4 outputs.

Compatible Devices

- \blacksquare Single Rocker Self-powered Wireless Light Switches; E3T-S1Axx
- Dual Rocker Self-powered Wireless Light Switches; E3T-S2Axx
- Dual Rocker Handheld Remote; E3T-S2Hxx

Components Included

The following items are included with this product:

■ A -- (1) Illumra Shade Controller

Tools Needed for Installation

- Pencil or ball point pen (stylus)
- Electrical tape
- Power Pack (for High Voltage Installation only)

Installation

To install the Shade Controller select your application from the options below. Follow the instructions for that application. For Transmitter installation instructions, see appropriate installation guides(s).

CAUTION/NOTES:

- Always follow local electrical codes when installing this device. Installation should be performed by a qualified electrician.
- ILLUMRA Relay Receivers are intended only for use indoors, in dry locations, and with permanantly installed fixtures.
- ILLUMRA receivers should NOT be installed in locations where the units will be in close proximity to light bulb(s) or other sources of heat, such as above a ceiling hugger fixture, particularly with higher wattage loads. (See "Operating Temperature" on Specifications table).
- Installation in metallic enclosures or near large metal objects will typically reduce radio range. If possible, install in plastic or fiberglass enclosures for best performance.

Teach/Learn Procedure (a Transmitter teaches a Receiver, a Receiver learns a Transmitter)

The receiver must be powered when teaching. After teaching a receiver, settings are retained when power is disconnected. The receiver sensitivity is reduced when in Learn Mode to prevent unintentionally teaching unwanted transmitters to the receiver. Transmitters should be within 15 feet (5 meters) of the receiver when teaching. Teach the receiver in any of the modes below.

Step 1: Determine the Desired Behavior



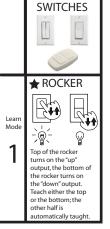
= Press and Release



= Press and Hold



= Release

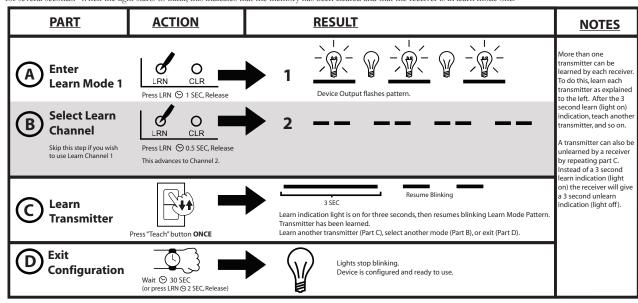




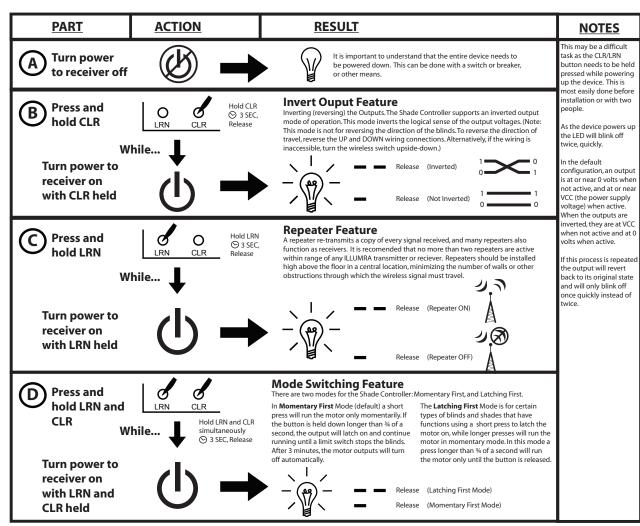


Step 2: Teach the Receiver

Clear All Instructions: The CLR button can be used to clear all of the memory in the receiver (erases all previously learned transmitters). Press and hold the clear button (CLR) for several seconds. When the light starts to blink, this indicates that the memory has been cleared and that the receiver is in learn mode one.



Step 3: (Optional) Activate Other Features



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Specifications

	E3R-MBCFP-02
Range	50-150 feet (typical)
Radio Frequency	315 MHz
Power Supply	8-30 VDC, 40 mA
Output Rating	30 VDC max, 100 mA max Off Voltage 1V max On Voltage VCC-1V min
Number of Output Channels	2 (2 UP and 2 Down)
Operating Temperature	-13° to 140°F (-25° to +60°C)
Storage Temperature	-40°F to 140°F (-40°F to +60°C)
Dimensions	2.88"(W) x 1.30"(H) x 0.67"(D) 7.32cm x 3.30cm x 1.70cm
Antenna	attached whip antenna (5.85")
Radio Certification	FCC (United States) SZV-TCM2XXC, I.C. (Canada) 5713A-TCM2XXC

Wiring Diagrams

Figure A: High Voltage Installation

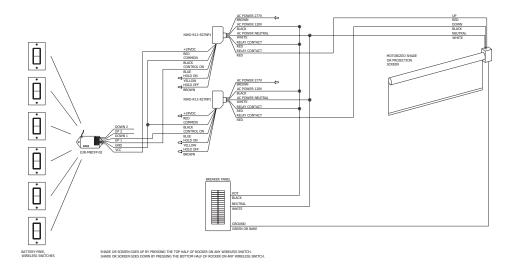
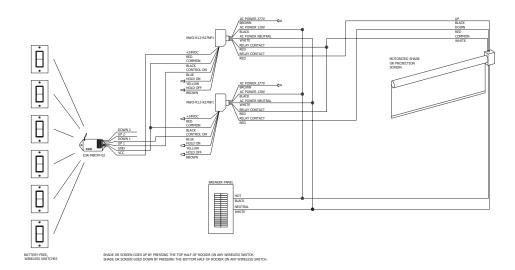


Figure B: Low Voltage Installation





Contains FCC ID: SZV-TCM2XXC

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.

Contains IC: 5713A-TCM2XXC



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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