EZ WIRELESS CONSTANT VOLTAGE LED DIMMER

The DEKOR® Constant Voltage LED Dimmer is designed to control dimmmable low-voltage DEKOR® LED fixtures. The Wireless Dimmer responds to the self-powered DEKOR® Wireless Light Switch. The DEKOR® WIreless Wall Dimmer has a PWM output which dims the fixture or Manual - ON /Auto-OFF applications.

Product ID: EZWIRELESSWALLRECEIVER
Compatible with: EZWIRELESSWALLSWITCH
Dimensions: Width: 2.88" X HEIGHT: 1.30" L X Depth: .67"
Range: 50-150 feet (typical)
Frequency: 315 MHz
Power Supply Input Rating: 8 - 12VDC
Output Rating: 5A
Input Channels: 1 -10+ Wireless Input
Output Channels: 1 output PWM
Operating Temperature: 13º to +140ºF (-25º to +60ºC)
Storage Temperature: -40º to +140ºF (-40º to +60ºC)
Radio Certification: FCC (United States): SZV-TCM2XXC, I.C> (Canada): 5713A-TCM2XXC

ENERGY STAR PARTNER | Safe and Certified

Equipment needed for Installation:

Non-conductive stylus (pencil or ballpoint pen), Screwdriver, #6 sheet metal screws or double-sided adhesive tape.

CAUTION/ NOTES:

- Always follow local electrical codes when installing this device. Installation should be performed by a qualified electrician.
- Depending on the circumstances, it may be more convenient to pre-program the receiver prior to final installation.
- DEKOR® Wireless Wall Receiver/Dimmer is intended for indoor use only, in dry locations, and with premanently installed fixtures.
- DEKOR® Wireless Wall Receiver/Dimmer should NOT be installed in a location where the unit will be in close proximity to light bulbs or other sources of heat, particularly with higher wattage loads. Installation close to heat sources may subject the receiver to temperatures exceding the operating temperatre rating of 13º to +140ºF (-25 to +60C).
- Installation in a metallic enclosure or near large metal objects will typically reduce radio range of the DEKOR® Wireless Wall Receiver/Dimmer. If possible, install wireless transmitters and receivers in plastic or fiber 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.

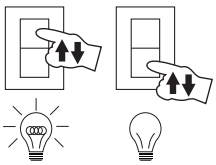
Note: When the device is not in a LEARN Mode and is operational, the CLR button can be pressed quickly to toggle the output. This is convinent in the SCENE Mode application. (SEE BELOW)

STEP 1: Determine Desired Behavior

= Press & Release = Press & Hold = Release ★= most popular behavior

LEARN MODE 1

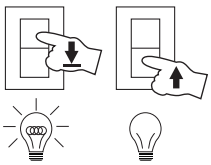
★ROCKER



Top of the rocker turns on load. Bottom of the rocker turns off load. Teach either the top or bottom: the other half is automatically taught.

LEARN MODE 2

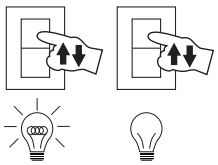
MOMENTARY



Press and hold one side of the rocker to turn on load. Release to turn off. Each side of the rocker must be learned separately.

LEARN MODE 3

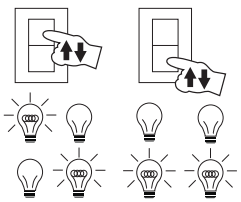
TOGGLE



Press/release once to turn on load. Press/release again to turn off. Each side of the rocker must be learned separately.

LEARN MODE 4

SCENE



Press/release one side of the rocker to recall a preset scene that can involve multiple loads. Each side of rocker must be taught separately.

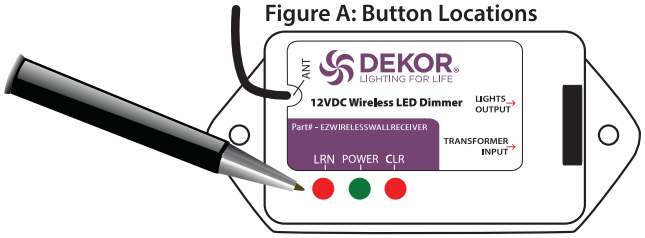
Scene mode is used to teach a receiver to recall a specific relay state when a transmitter (which has been taught to the receiver) is triggered. Typically scene mode is used when you want to signal transmitter action to affect multiple receivers. To teach a receiver to recall a specific state, set the receiver to the desired state by learning a rocker switch in Mode 1. Once the receiver is in the desired lighting state, enter LEARN MODE 4 by following the instructions in step two, which will complete the learn process.

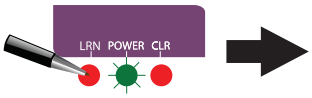
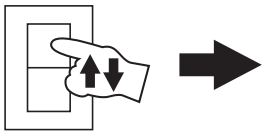
EZ WIRELESS WALL RECEIVER INSTALLATION GUIDE

STEP 2: Teach the Receiver

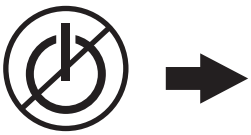
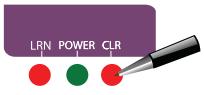
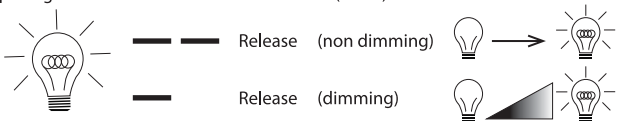
Clear All Instructions: The CLR Button can be used to clear all the memory in the receiver (erases all previously learned transmitters.) Press and hold the clear button (CLR) for several seconds. When the light starts to blink, this indicates that the memory has been cleared and the receiver is in learn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

Figure A: Button Locations



PART	ACTION	RESULT	NOTES
A Enter Learn Mode 1	 Press LRN 0.5 SEC, Release	1  Device Output flashes pattern.	This blinking pattern represents a light connected to the normally open output. If a light were connected to the nornally closed output, it would blink opposite of that shown.
B Select Learn Mode Skip this step if you wish to use Learn Mode 1	 Press LRN 3 SEC, Release This advances to Learn Mode 2. Repeat to advance to Learn Mode 3 or 4.	2 3 4	More than one transmitter can be learned by each receiver. To do this, learn each transmitter as explained to the left. After the 3 second learn (light on) indication, teach another transmitter, and so on.
C Learn Transmitter	 Press "Teach" button ONCE	 Resume Blinking Learn indication light is on for three seconds, then resumes blinking Learn Mode Pattern. Transmitter has been learned. Learn another transmitter (Part C), select another mode (Part B), or exit (Part D).	A transmitter can also be unlearned by a receiver by repeating part C. Instead of 3 second learn indication (light on) the receiver will give a 3 second unlearn indication (light off).
D Exit Configuration	 Wait 30 SEC (orpress LRN 2 Sec, Release	 Lights stop blinking. Device is configured and ready to use.	The "CTL IN +" is a +0-10VDC used to control the dimming level.

STEP 3: (Optional) Activate Other Features

PART	ACTION	RESULT	NOTES
A Turn power to dimmer off		 It is important to understnd that the entire device needs to be powered down. This can be done with a switch or breaker, or other means.	This may be a difficult taks as the CLR/LRN button need to be held pressed while powering up the device. This is easily done before installation or with two people.
B Press and hold CLR Skip this step if you wish to use Learn Mode 1	 Hold CLR 3 SEC, Release While...	**Non Dimming Feature** In the default configuration the device output will ramp up in a dimming fashion with the press of an on switch and dim off with an off switch. The device can be set to a non dimming mode. In this mode the device output will not dim but switch on quickly as a relay output. To switch back to dimming mode repeat this part again. The number of device LED blinks (1 or 2) will indicate the current state.	As the device powers up the output will blink twice, then will blink one last time as the CLR/LRN button is released.
Turn power to dimmer on with CLR held			If this process is repeated the output will invert back to its original state and will only blink once instead of twice, then once more as the CLR/LRN button is release just as it did the first time.

Antenna Skin

In order to maximize radio performance and keep the antenna away from metal, an antenna skin has been provided with this product.

To install the antenna skin:

Insert the antenna into the open end of the antenna skin as shown in Figure 1.

Insert the antenna skin into the enclose as shown in Figure 2.

FIGURE 1

FIGURE 2