

Plug-in Relay Receiver

Cat. No. WSG0S

LEVITON



INSTALLATION

English

WARNINGS AND CAUTIONS:

- TO BE INSTALLED AND/OR USED IN ACCORDANCE WITH APPROPRIATE ELECTRICAL CODES AND REGULATIONS.
- IF YOU ARE NOT SURE ABOUT ANY PART OF THESE INSTRUCTIONS, CONSULT AN ELECTRICIAN.
- PLUG-IN RELAY RECEIVER IS INTENDED ONLY FOR USE INDOORS, IN DRY LOCATIONS.
- SUITABLE FOR USE ON A CIRCUIT CAPABLE OF DELIVERING NOT MORE THAN 15 RMS SYMMETRICAL AMPERES MAXIMUM.

DESCRIPTION:

The Plug-in Relay Receiver provides ON/OFF control of lamps and other devices. Simply plug the cord of an electrical device into the receiver, then plug the receiver into a standard electrical outlet. The device can then be controlled using self-powered wireless light switches or sensors.

COMPATIBLE DEVICES:

- Single Rocker Self-powered Wireless Light Switch
- Dual Rocker Self-powered Wireless Light Switch
- Handheld Self-powered Wireless Light Switch
- Key Card Access Switch
- Self-powered Wireless Occupancy Sensor
- Switch Leg Transmitter
- More transmitters available

TO INSTALL:

1. Plug a lamp or other device into the bottom of the Plug-in Relay Receiver.
2. Plug the receiver into any 120 VAC power outlet (See Figure A).

PROGRAMMING:

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

Rocker Mode (default) Programming Instructions

1. Read all Rocker Mode programming steps before taking any action to program receiver in Rocker Mode.
2. Activate Rocker Learn Mode by pressing and holding the LRN button on the receiver for 0.5 seconds. The electrical load connected to the receiver will begin turning ON and OFF in a slow pattern.
3. When associating a wireless light switch with the receiver, press one end of a switch rocker (See Figure B). When associating a transmitter other than a wireless light switch, press the LRN or TCH button on the Leviton transmitter (see appropriate transmitter starter guide). The load will stay ON for 3 seconds indicating that the receiver has stored the transmitter's unique ID in its memory.
4. **NOTE:** If only one transmitter is desired then skip Step 4 and exit Learn Mode by following Step 5. To associate a second transmitter with this receiver, wait until toggling of the load resumes. Repeat the instructions in Step 3 and Step 4 until the unique IDs of all desired transmitters are stored in the memory of the receiver.
5. To complete programming, press and hold the LRN button for about 1 second, or wait for the receiver to timeout. It will automatically exit learn mode after about 30 seconds.

Momentary Mode Programming Instructions

1. Read all Rocker Mode programming steps before taking any action to program receiver in Momentary Mode.
2. While the receiver is in Rocker Learn Mode, press and hold the LRN button for 3 seconds (See Figure A). The electrical load connected to the receiver will begin turning ON and OFF in a fast pattern. The receiver is now in Momentary Learn Mode.
3. Follow steps 3-5 of "Rocker Mode Programming Instructions."

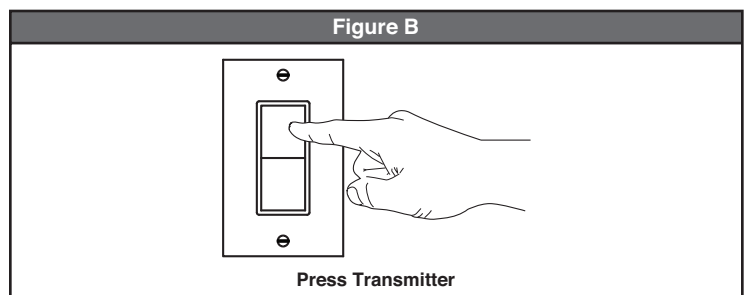
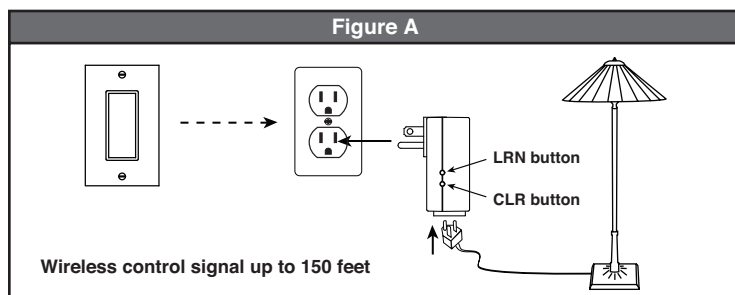
Toggle Mode Programming Instructions

1. Read all Rocker and Momentary Mode programming steps before taking any action to program receiver in Toggle Mode.
2. While the receiver is in Momentary Learn Mode, press and hold the LRN button for 3 seconds (See Figure A). The electrical load connected to the receiver will continue turning ON and OFF in a fast pattern. The receiver is now in Toggle Learn Mode.
3. Follow steps 3-5 of Rocker Mode Programming Instructions.

Selective Deleting: Follow the Programming Mode steps above to delete a transmitter from a receiver's memory. Upon pressing the LRN button on a transmitter (See Rocker Mode Programming Instructions, Step 3) which has previously been associated with the receiver, the electrical load connected to the receiver will stay OFF for 3 seconds indicating that the receiver has removed the transmitter's unique ID from its memory.

Clear All: If the CLR button is pressed and held for 2 seconds (See Figure A), the entire memory of the receiver will be deleted. The receiver will instantly enter the default programming mode (Rocker Mode) indicated by the electrical load turning ON and OFF.

Specifications		
	WSG0S-D1T	WSG0S-S1T
Range	50-150 feet	
Frequency	315 MHz	
Power Supply	120VAC	
Input Rating	60 Hz	
Output Rating		
General	6A	15A
Ballast	3A	15A
Tungsten	500W	1800W
Motor	N/A	1/2 HP
Memory	Stores up to 30 unique transmitter IDs	
Operating Temperature	-13° to +140° F (-25° to +60° C)	
Storage Temperature	-40° to +140° F (-40° to +60° C)	
Dimensions	3.26 x 2.07 x 1.42 inches (82 x 53 x 36 mm)	
Radio Certification	FCC (US): SZV-TCM2XXC; IC (Canada): 5713A-TCM2XXC	
Safety Approval	ETL (US): UL244A; ETL (Canada): CSAc22.2#14-05	



ADDITIONAL PROGRAMMING OPTIONS:

Inverted Output Mode: The receiver supports the Inverted Output Mode of operation. In the default configuration, the N.O. relay contact is open (not connected) when not active, and closed (connected) when active. When the outputs are in Inverted Output Mode, the N.O. contact is closed when not active and open when active. Inverting the outputs may be used to emulate a normally closed relay that opens when a switch is activated.

One common use for this mode is for magnetic door release controls. The output is ON and the door-hold electromagnet is active until a Momentary switch is activated, deactivating the electromagnet and allowing the door to close. The magnet is reactivated as soon as the switch is released.

Use With Occupancy Sensors: The Plug-in Relay Receiver may be used with wireless occupancy sensors in either manual ON / automatic OFF, or automatic ON / automatic OFF control applications. Please follow the instructions below when using the Plug-in Relay Receiver with occupancy sensors.

Inverted Output Mode Programming Instructions

1. Unplug Plug-in Relay Receiver from wall.
2. Hold CLR button while plugging in the receiver; continue to hold button until light blinks twice, then release.
3. Repeat to un-invert outputs.

Repeater Mode Programming Instructions (Receiver/Repeater models only)

1. Unplug Plug-in Relay Receiver from wall.
2. Hold LRN button while plugging in the receiver; continue to hold button until light blinks twice, then release.
3. Repeat to deactivate repeater functionality.

Use With Occupancy Sensors Programming Instructions

Manual ON / Auto OFF

Use Rocker Learn Mode (See Rocker Mode Programming Instructions).

Automatic ON / Automatic OFF

Use Momentary Learn Mode (See Momentary Mode Programming Instructions).

FCC COMPLIANCE STATEMENT: Contains FCC ID: SZV-TCM2XXC. Contains IC: 5713A-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.

ETL (US) - Conforms to UL STD 244A. This device was tested according to and was found to comply with UL 244A Solid State Controls for Appliances.

ETL (Canada) - Certified to CAN/CSA STD C22.2 No. 14-05. This device was tested according to and was found to comply with CAN/CSA STD C22.2 No. 14-05.

LIMITED 2 YEAR WARRANTY AND EXCLUSIONS

Leviton warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of its sale by Leviton is free of defects in materials and workmanship under normal and proper use for two years from the purchase date. Leviton's only obligation is to correct such defects by repair or replacement, at its option, if within such two year period the product is returned prepaid, with proof of purchase date, and a description of the problem to **Leviton Manufacturing Co., Inc., Att: Quality Assurance Department, 201 North Service Road, Melville, New York 11747**. This warranty excludes and there is disclaimed liability for labor for removal of this product or reinstallation. This warranty is void if this product is installed improperly or in an improper environment, overloaded, misused, opened, abused, or altered in any manner, or is not used under normal operating conditions or not in accordance with any labels or instructions. **There are no other or implied warranties of any kind, including merchantability and fitness for a particular purpose**, but if any implied warranty is required by the applicable jurisdiction, the duration of any such implied warranty, including merchantability and fitness for a particular purpose, is limited to two years. **Leviton is not liable for incidental, indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, lost sales or profits or delay or failure to perform this warranty obligation.** The remedies provided herein are the exclusive remedies under this warranty, whether based on contract, tort or otherwise.

For Technical Assistance Call: 1-800-824-3005 (U.S.A. Only) www.leviton.com