

# Lumina™ RF Controlled Receptacle 15A

Cat. No. ZSTLR

## WARNINGS

- **TO AVOID FIRE, SHOCK OR DEATH: TURN OFF POWER AT CIRCUIT BREAKER OR FUSE AND TEST THAT THE POWER IS OFF BEFORE WIRING!**
- To be installed and/or used in accordance with electrical codes and regulations.
- If you are not sure about any part of these instructions, consult an electrician.

## CAUTIONS

- For indoor applications only.

**SAVE THESE INSTRUCTIONS.**

DI-000-ZSTLR-05A

## INSTALLATION

**ENGLISH**

## Pre-Installation Instructions

Lumina™ RF 15A Controlled Receptacles are a component within a larger wireless control system. They require a compatible Room Controller for enrollment and creation of networks to ultimately determine system functionality.

Lumina™ RF devices communicate with each other, and the Room Controller, via a 2.4Ghz radio on a wireless mesh network. Each line voltage powered device is a repeater to ensure the signal get out to all parts of the network.

The ZSTLR-1HW Lumina™ RF receptacle is designed to use wireless communication for control based on occupancy. The device will control lighting or equipment attached to the receptacle by receiving a wireless signal from the Room Controller. The receptacle has a 50-100 ft reception range depending upon the environment. Range will be reduced by signals having to transmit through walls. The receptacle has a built-in tamper resistant barrier designed to limit improper insertion of small objects into receptacle contact slots.

## Installation

**WARNING: TO AVOID FIRE, SHOCK OR DEATH**, turn off power at circuit breaker or fuse and test that the power is off before wiring.

### 1. Choose wiring method.

NOTE: this receptacle can be wired using side wire terminal screws or through back wire openings. Choose appropriate wire stripping specifications accordingly.

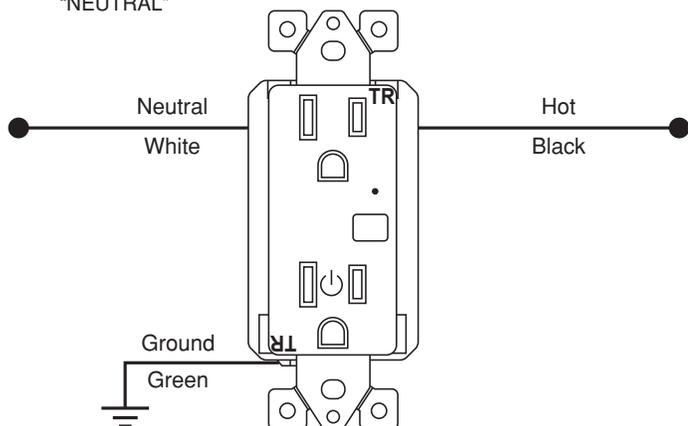
- **Side wire connection:** side wire terminals accept #14-12 AWG solid copper wire only.
- **Back wire connection** (either hole may be used): back wire openings accept #14-12 AWG solid copper wire only.

NOTE: Refer to the markings on the product for conductor strip length.

### 2. Wire.

Working on one connection at a time, connect wires as shown.

- Green or bare copper wire in wall box to Green terminal screw
- Line Hot wall box wire to terminal screw (Black) marked "LINE"
- Line Neutral wall box wire to terminal screw (Silver) marked "NEUTRAL"



### 3. Mount.

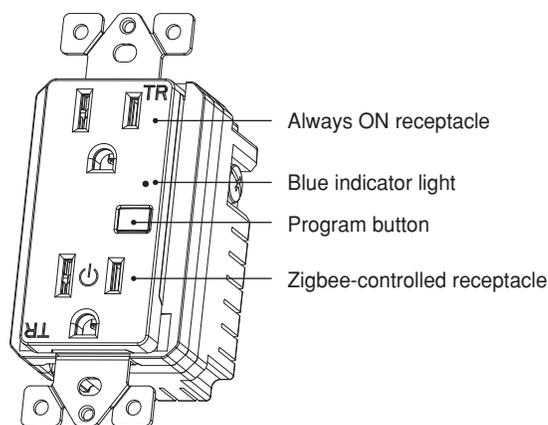
Tighten mounting screws into wallbox. Attach wallplate.

### 4. Restore Power.

## Operation

### 1. Indicator Light:

- Blue LED ON indicates switch OFF
- Blue LED OFF indicates switch is ON



### 2. Manual Control:

The switch button on the ZSTLR allows the user to manually turn the connected equipment ON or OFF by pressing the program button. When the blue LED indicator turns OFF, the appliance or device plugged into the controlled outlet will turn ON, and vice versa.

#### Add to LuminaRF Network:

Follow your Room Controller and App instructions to add a device and enter pairing mode. When power is restored to a newly installed ZSTLR receptacle, the ZSTLR will automatically search for a compatible network and will show from a list of available devices using the Room Controller App.

NOTE: the blue LED indicator keeps blinking while pairing to Room Controller; after the ZSTLR is paired and added to the network, the blue LED indicator will resume normal operation.

#### To reset the device to factory status by button:

1. Long press button for 20 seconds until the LED indicator fast flashes (250ms ON / 250ms OFF). NOTE: exits factory reset mode if button press exceeds 25 seconds.
2. Release the button.
3. Device will enter network join mode indicated by slow LED indicator flash

## Configuration

The Leviton ZSTLR Lumina™ RF 15A Controlled Receptacle is a component within a larger wireless control system. ZSTLR requires a compatible Room Controller for enrollment and creation of a network to ultimately determine system functionality. Behaviors of all devices, including ZSLTR Controlled Receptacle, is configured using the Room Controller and App. See Room Controller instructions and App for additional information on network and device configuration.

## Troubleshooting

### Device won't pair with Room Controller:

1. Confirm that the receptacle is powered
2. Check if the wireless distance is too far

### The LED indicator does not turn ON:

1. Check the wiring connections, especially the neutral wire
2. Check manually with the program button on the receptacle

Specifications	
Input Voltage/Frequency	120VAC, 60Hz
Load Ratings	
LED,CFL, Electronic Ballast @ 120V	1200VA
Incandescent @ 120V	1000W
Resistive @ 120V	1800W (15A)
Motor @120V	1/2HP
IP Rating	IP10
Network Connections	2.4GHz, IEEE 802.15.4
Wireless Transmitting Power	< 4.5 dBm
Wireless Transmission Range	50-100' (NOTE: Range depends on receiver location and building construction)
Operating Temperature	14° to 113° F (-10° to 45° C)
Storage Temperature	-4° to 140° F (-20° to 60° C)
Maximum Humidity	≤ 85%

Lumina is a trademark of Leviton Mfg. Co., Inc.

Patents covering this product, if any, can be found on [www.leviton.com/patents](http://www.leviton.com/patents).

**FCC STATEMENT:** This device complies with Part 15 of the FCC Rules. Operation is subject to following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation of the device. This equipment has been tested and found to comply with the limits for a Class B Digital Device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment OFF and ON, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/tv technician for help.

**RF EXPOSURE AND CO-LOCATION:** To comply with FCC OET Bulletins and ISED RF exposure limits for general population / uncontrolled exposure this device should be installed and operated with a minimum distance of 7.9 inches (20 cm) between the radiator and your body. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

**IC STATEMENT:** This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

**FCC CAUTION:** Any changes or modifications not expressly approved by Leviton Manufacturing Co., Inc., could void the user's authority to operate the equipment.

### FOR CANADA ONLY

For warranty information and/or product returns, residents of Canada should contact Leviton in writing at Leviton Manufacturing of Canada Ltd to the attention of the Quality Assurance Department, 165 Hymus Blvd, Pointe-Claire (Quebec), Canada H9R 1E9 or by telephone at 1-800-405-5320.

### 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. **For details visit [www.leviton.com](http://www.leviton.com) or call 1-800-824-3005.** 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 (USA Only) or 1-800-405-5320 (Canada Only) [www.leviton.com](http://www.leviton.com)**