Product Data Sheet
3-Series In-Wall Dimmer Switch
3110-G

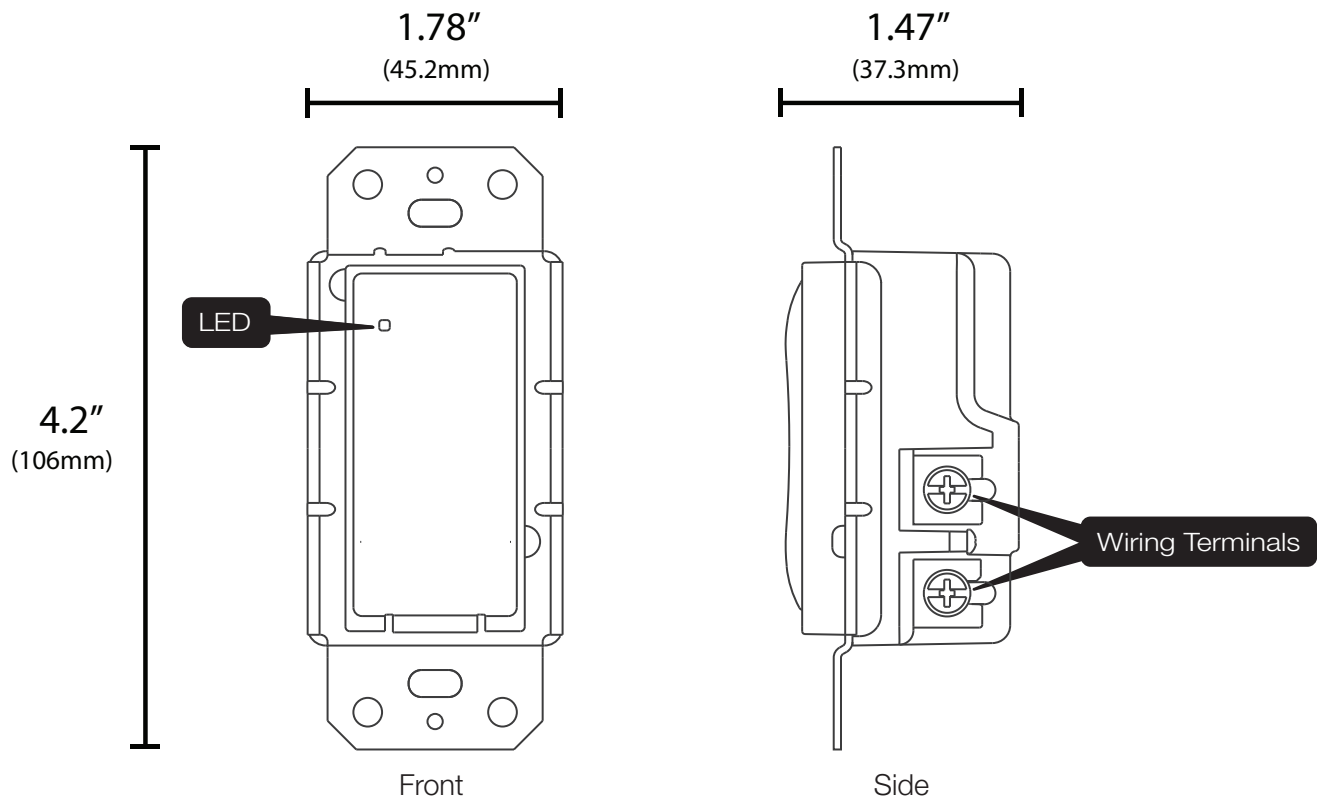# Centralite ®

Product Overview

Adding whole-home lighting control to your home automation system has never been easier. With the In-Wall Dimmer Switch, users can now have advanced features with easy-to-install, wirelessly communicating switches. The relays and dimmers feature rocker-type switches and screw-type wiring connections. They also utilize the ZigBee HA 1.2 wireless standard. With current-sensing technology, the 3-Series In-Wall Dimmer Switch can measure and report how much energy is being used. The dimmer also features a power amplifier, enabling the device to communicate up to 100 feet from other ZigBee devices.

Dimensions

Front

Side

In the Box:

1x - 3-Series In-Wall Dimmer Switch
2x - Mounting Screws
1x - Quick Start Guide

Key Features:

- Compatible with 3-, 4-, and 5-Way Circuits
- Easy Self-Install
- Control Existing Overhead Lighting

- Over-the-air firmware updates.
- Easy compatibility with other manufacturers' ZigBee HA 1.2 devices.

Use Cases

- Whole Home Lighting Control
- Lighting Scenes
- One-touch "Goodnight" Scene
- Safety and Emergency Lighting

Whole Home Lighting Control
The 3-Series In-Wall Dimmer Switch is the most affordable quality whole-home lighting system available. Compatible with all platforms that support ZigBee HA 1.2, the In-Wall Dimmer can give you absolute control over ever light in your home.

Lighting Scenes
Set and control hundreds of scenes by installing 3-Series In-Wall Switches around your home. Setup morning, goodbye, emergency, and goodnight scenes easily and reliably.

One-touch "Goodnight" Scene
By equipping your home with 3-Series In-Wall Switches you can "shut down" your home at night with the the touch of a single button. Imagine having all interior and exterior lights turn off when you're ready to go to sleep.

Safety and Emergency Lighting
By equipping your home with 3-Series In-Wall Switches, you can pair motion and door sensors to automatically trigger your lights in dark hallways or a child's bathroom at night.

Special Features

Drop-in Switch Replacement
The 3-Series In-Wall Dimmer doesn't require new wiring or special installation tools. Installing the switch is just as easy as installing a regular light switch. In fact, the 3-Series In-Wall Dimmer can be installed in about 10 minutes.

Current-Sensing Circuitry
The 3-Series In-Wall Dimmer Switch features current-sensing circuitry for real-time energy usage reporting. The current-sensing feature can also be used to notify users when a device has been turned on or off.

ZigBee Home Automation 1.2 Compatibility
The 3-Series In-Wall Dimmer Switch is fully ZigBee HA 1.2 certified and is guaranteed to function with all open, ZigBee HA 1.2-certified hubs and devices.

Updatability
The 3-Series In-Wall Dimmer Switch supports over-the-air updates providing for seamless upgrades and feature additions without the need for any user interaction.

Getting Started

WARNING! To reduce the risk of serious injury or death, turn power OFF before installing this product.
WARNING! If a direct short is created between the RED terminal and GROUND or NEUTRAL, the Relay Switch will be damaged and unusable.

Step 1: Confirm that the intended installation location conforms to the following requirements:

- Wall box must meet box size requirements specified by the NEC (National Electric Code).
- Installation will be completed according to national and local codes.
- The load being controlled by the device **does not exceed 600W for a single switch**.
- Use 90°C rated or higher wires.

Step 2: To avoid **SERIOUS INJURY** or **DEATH**, turn **OFF** the local electrical power feeding the switch location. To disconnect power turn off the breaker or remove the fuse from the fuse box. Verify that there is no power present using a voltage meter or test light.

Step 3: If you are replacing an existing switch, note which wires are the Ground, Circuit Feed (HOT), Load (Switch Leg), and Neutral.

Step 4: Prepare the wires for connection by stripping off the insulation 5/8-in.

Step 5: Connect the relay switch.

- Connect **GREEN** terminal from switch to **GROUND**
- Connect **BLACK** terminal from switch to **HOT FEED**
- Connect **WHITE** terminal from switch to **NEUTRAL**
- Connect **RED** terminal from switch to **LOAD**

Step 6: Test all connections. Fold wires and push them neatly into the switch box. Align the Relay Switch in the switch box with the air gap switch oriented at the bottom of the Relay Switch. Using the supplied screws, secure the Relay Switch in the switch box.

Step 7: Verify that the Air Gap switch is fully pushed in. Then turn ON circuit breaker or replace the fuse.

Step 8: If the Relay Switch is installed properly the top LED will blink slowly, signifying that the device is working as a independent local device.

Step 9: You should now be able to control the load by tapping the button.

Troubleshooting

Step 1: Factory Reset and Rejoin
Pull out air gap switch. While depressing the switch's top button, press in air gap switch. When the status LED turns solid red, release the button. Repeat the "Getting Started" steps to rejoin the ZigBee network.

Compatibility

The 3-Series In-Wall Dimmer Switch features out-of-the-box compatibility with any ZigBee HA 1.2-certified hub, controller, bridge, or platform.

Technical Specifications

Power
120 VAC 60Hz

Supported Loads:
120 VAC 600W Incandescent
120 VAC 600W Halogen
120 VAC 600W Fluorescent
120 VAC 600W Dimmable LED

Environmental
Operating Temperature:
-20° to +40°C

Shipping / Storage
Temperature: -20° to 50°C
Humidity Range: 0 to 90% RH.
                    (non-condensing)

Approvals:
FC ZigBee UL

Wireless RF
Protocol: ZigBee HA 1.2
TX Strength: +18 dBm
RF Channels: 16
Range: >100 ft. (>30m)

Support

Centralite offers both Tier-1 and Tier-2 support structures to meet the needs of different customers. For those customers that provide existing, in-house support for systems, Centralite can serve as Tier-2 support specialists. For Centralite retail-branded products, Centralite provides direct Tier-1 support for all products.

Standard Warranty

Centralite offers a standard 12-month limited warranty on the 3-Series In-Wall Dimmer Switch

Additional mandatory warranty period in compliance with local law product is being sold.

Contact Sales

For more information about sales or distribution, please contact:

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