

Product Data Sheet

3-Series In-Wall On/Off Switch

3145-C

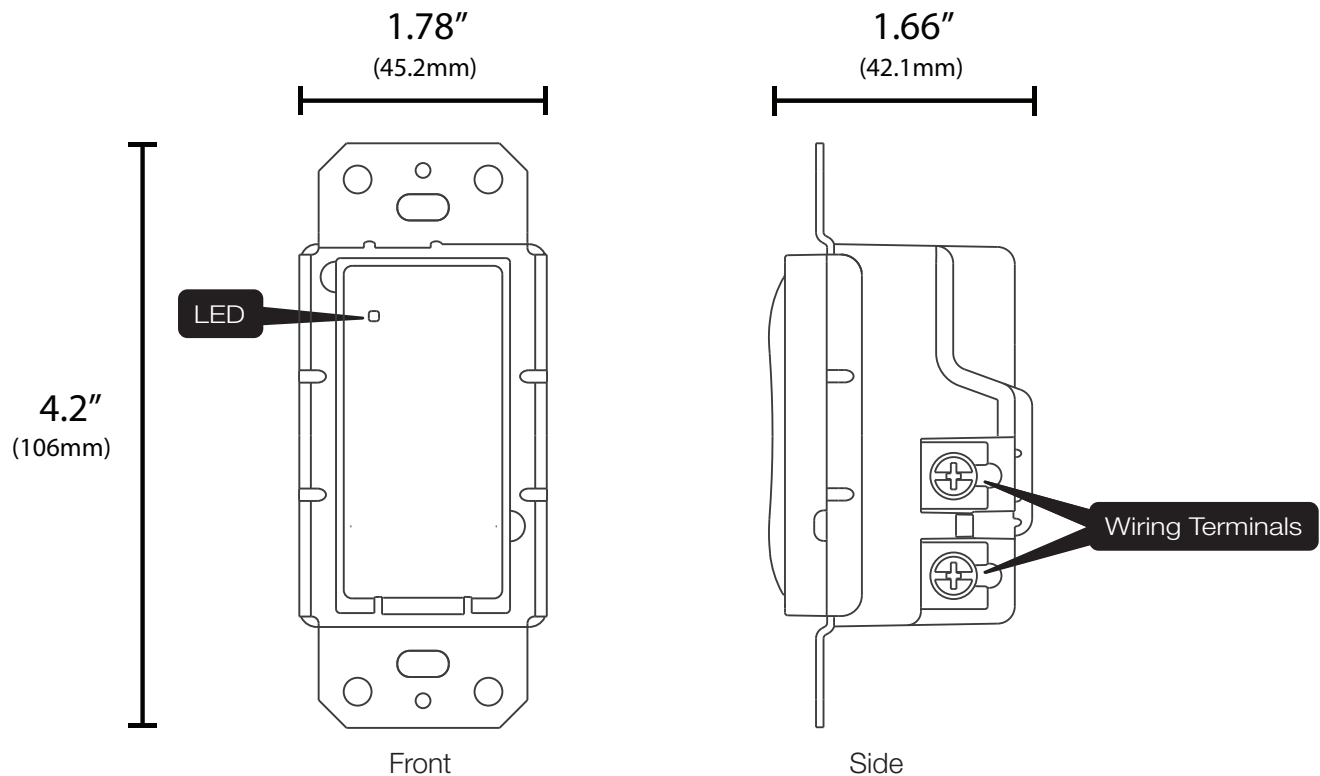
Centralite®

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Product Overview

Adding whole-home lighting control to your home automation system has never been easier. With the In-Wall Relay 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 Relay Switch can measure and report how much energy is being used. The relay also features a power amplifier, enabling the device to communicate up to 100 feet from other ZigBee devices.

Dimensions



In the Box:

- 1x - 3-Series In-Wall Relay 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

Whole Home Lighting Control

The 3-Series In-Wall Relay Switch is the most affordable quality whole-home lighting system available. Compatible with all platforms that support ZigBee HA 1.2, the In-Wall Relay can give you absolute control over every 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
- Safety and Emergency Lighting

One-touch “Goodnight” Scene

By equipping your home with 3-Series In-Wall Switches you can “shut down” your home at night with 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 Relay 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 Relay can be installed in about 10 minutes.

Current-Sensing Circuitry

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

Updatibility

The 3-Series In-Wall Relay 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 ratings listed in “Supported Loads”** (page 3).

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 Relay Switch features out-of-the-box compatibility with any ZigBee HA 1.2-certified hub, controller, bridge, or platform.

Technical Specifications

Electrical

120 VAC 60Hz

Supported Loads:

15A, 120VAC General Purpose (1800W)
1/2 HP, 120VAC Motor
480W, 120VAC Incandescent

Environmental

Operating Temperature:
-20° to +40°C

Shipping / Storage

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

Approvals:



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 Relay 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:

North America

877-466-5483
sales@centralite.com

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Notice: Any content, factual information, or specifications containing errors in this document are solely inadvertent and will be corrected upon discovery. Specifications for unreleased/planned products are subject to change.

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This device complies with Part 15 of the FCC Rules and with Industry Canada licence-exempt RSS Standards. Operation is subject to the 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.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

This equipment complies with FCC and IC radiation exposure limits set forth for an uncontrolled environment. This equipment is in direct contact with the body of the user under normal operating conditions. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Changes or modifications not expressly approved by Centralite Systems, Inc. could void the user's authority to operate the equipment.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.