Product Data Sheet
3-Series Smart Dimming Outlet
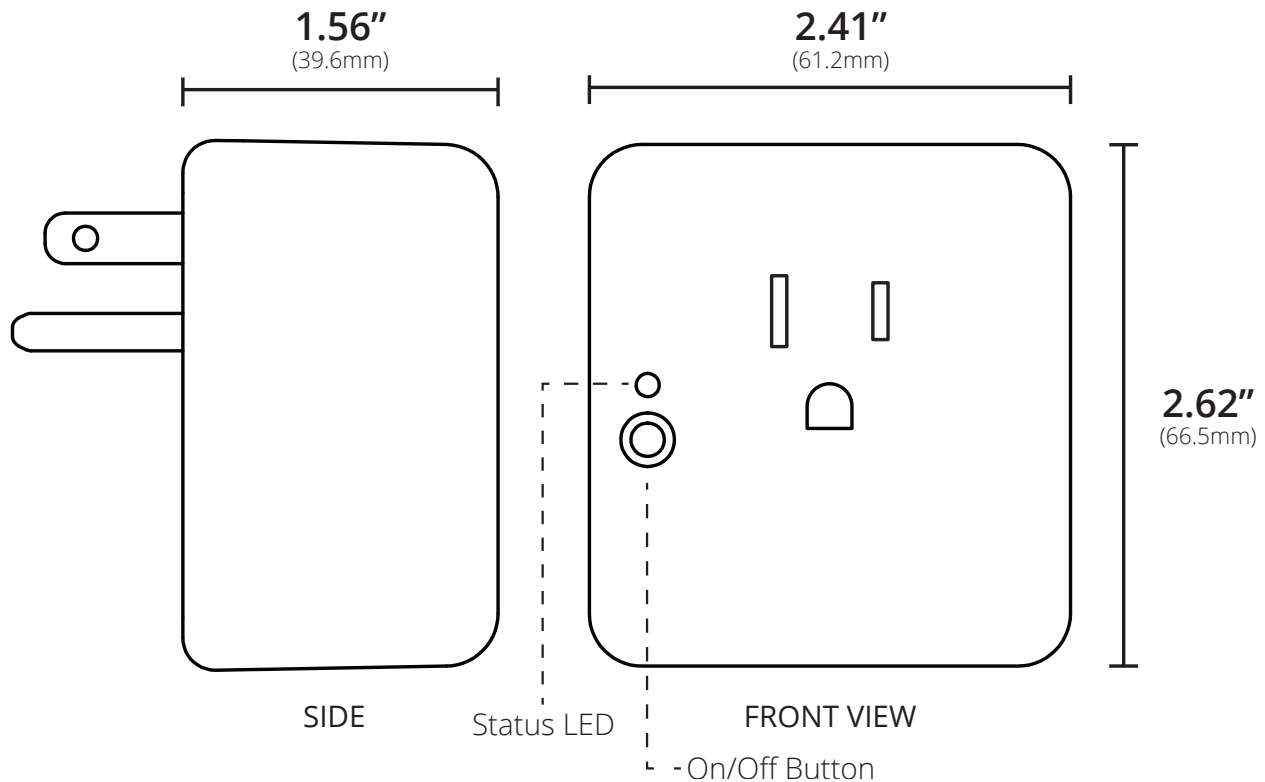3100-G

Centralite

Product Overview

The 3-Series Smart Dimming Outlet introduces new functionality to existing in-home lighting systems. By placing the Smart Dimming Outlet between an outlet and any lamp in your home, you can instantly add advanced automation features. The Smart Dimming Outlet can also set dimming levels for any dimmable light bulb. Not only can the Smart Dimming Outlet be dimmed remotely, but it also can be used with your existing ZigBee hub to respond to alerts, schedules, and scenes. The Smart Dimming Outlet can also report its power usage for energy management. The 3-Series Smart Dimming Outlet is an affordable way to add automation and track the energy use of your home.

Dimensions

1.56"
(39.6mm)

2.41"
(61.2mm)

2.62"
(66.5mm)

SIDE   Status LED   FRONT VIEW

- On/Off Button

In the Box:

1x - 3-Series Smart Dimming Outlet
1x - Quick Start Guide

Key Features:

- Built-in power amplifier for exceptional range.
- Current-sensing technology to report real-time energy usage.
- Automatically detects when a user is trying to turn on the lamp, even if the module is set to off.
- Easy compatibility with other manufacturers' ZigBee HA 1.2 devices.
- Override button for direct dimming and on/off.
- LED indicator for at-a-glance on/off status.
- Over-the-air firmware updates.

Use Cases

- Include lamps in your automated home lighting scenes.
- Create a timed night-light for children that turns on with in-room motion.
- Dim bedside lamps with a "night-time" lighting scene.

Deter burglars with custom schedules
Thieves and burglars prefer to enter a house when no one is there. Using custom schedules for lamps and lights turning on and off, you can deter thieves by making them think that the house is occupied.

Link a motion sensor with your Smart Dimming Outlet to control a night light that turns off when nobody is moving around. Provide light when it is needed, and save energy when it isn't.

- Automate your lamps and make them smart!
- Be alerted if a lamp is turned on outside of scheduled times.
- Create pulsing/flashing notifications triggered by alarms, smoke detectors, stock market, news, phone calls, or e-mails.

Use a lamp for notifications and alerts.
Be notified when you receive and e-mail or miss a call. You can even have lamps respond to the weather or stock market!

Measure energy usage of lamps
The 3-Series Smart Dimming Outlet features current sensing technology that actively reports energy usage. Your connected home can track energy usage and offer suggestions to save energy.

Special Features

Solid-State Dimming
Built-in dimming functionality allows any lamp using dimmable bulbs to provide lighting levels appropriate for reading at night, illumination during the day, or even security while you are away.

Current-Sensing Circuitry
The 3-Series Smart Dimming Outlet 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.

Auto-on
Even when the 3-Series Smart Dimming Outlet is in the "off" position, it constantly monitors the load (or lamp) for signs that the devices is attempting to turn on. If the user tries to turn on the lamp while the module is off, the module can automatically turn itself on.

ZigBee Home Automation 1.2 Compatibility
The 3-Series Smart Dimming Outlet is fully ZigBee HA 1.2 certified and is guaranteed to function with all open, ZigBee HA 1.2-certified hubs and devices.

Easy 2-Step Join Process
The Dimming Outlet is factory-configured to search for open ZigBee networks the first time it is plugged in. Simply open the hub for joining, plug in the Dimming Outlet, and the module will join the open network.

Superior Range and Updatability
The Smart Dimming Outlet includes a built-in power amplifier, giving the module superior range and stability in large homes or areas with wireless interference.

The Smart Dimming Outlet also supports over-the-air updates providing for seamless upgrades and feature additions without the need for any user interaction.

Getting Started

Step 1: Open ZigBee Network for Joining
Using your controller or hub's interface, enable the ZigBee network for joining.

Step 2: Plug-In Smart Dimming Outlet
Plug the Smart Dimming Outlet into a receptacle and it will immediately begin searching for a network to join.

Step 3: Finish Joining at Hub (optional)
Some hubs and controllers require additional steps such as naming or categorizing the device.

Troubleshooting

Unplug Module from Receptacle
Begin by unplugging the module from the wall receptacle. Then plug it in again and test operation. Also, try plugging the lamp into an non-switched wall receptacle to ensure the lamp works.

Step 2: Factory Reset and Rejoin
Unplug any devices from the module and unplug from the wall. Now hold the on/off button while plugging it back into the wall. Hold the button until the status LED turns on. Repeat the "Getting Started" steps to rejoin the ZigBee network.

Compatibility

The 3-Series Smart Dimming Outlet features out-of-the-box compatibility with any ZigBee HA 1.2-certified hub, controller, bridge, or platform.

Technical Specifications

Electrical
Rated: 120 VAC, 60Hz
Output: 300W Incandescent

Environmental
Operating Temperature: 0° to 40°C

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

Approvals: (UL) FC (ZigBee)

Wireless RF
Protocol: ZigBee HA 1.2
TX Strength: +18 dBm
RF Channels: 16
Range: 300+ ft. (90+ m) L.O.S.

Temp Accuracy: ±1.8 °C (max), −10 to 85 °C

Precision: ± 0.1 °C

Safety Warnings

WARNING!
The total power limit of the device is 300W. Do not exceed this value!

WARNING!
If a direct short is created on the output, the Smart Dimming Outlet will be damaged and will no longer function.

WARNING!
If a load greater than 300 Watts is attached to the output, the Smart Dimming Outlet will be damaged and will no longer function.

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 Smart Dimming Outlet.

Contact Sales

For more information about sales or distribution, please contact:

877-466-5483
+1 251-607-9119 (Int'l)
sales@centralite.com

Centralite Systems, Inc.
1701 Industrial Park Drive
Mobile, AL 36693

http://centralite.com

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