

SLC631 Lighting Relay

Quick Start Guide

Safety Handling

WARNING: Failure to follow these safety notices could result in fire, electric shock, other injuries, or damage to the lighting relay and other property. Read all the safety notices below before using the the lighting relay.

- Avoid high humidity or extreme temperatures.
- Avoid long exposure to direct sunlight or strong ultraviolet light.
- Do not drop or expose the unit to intense vibration.
- Do not disassemble or try to repair the unit on your own.
- Do not expose the unit or its accessories to flammable liquids, gases or other explosives.

Technical Specifications

Wireless Connectivity

ZigBee	• 2.4GHz IEEE 802.15.4
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ZigBee Profile	• ZigBee HA1.2
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RF Characteristics	<ul style="list-style-type: none">• Operating frequency: 2.4GHz• Range outdoor/indoor: 100m / 30m• 15 channels• Output Power: 3 dBm
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Antenna	• External Antenna
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Physical Specifications

Operating Voltage	• 100~240 Vac 50/60 Hz
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Power consumption	• < 1W
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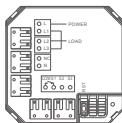
Max. Load Current	• 5A/Channel, 300W incandescent bulb or halogenated bulb, 50W fluorescent lamp or LED lamp
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Operating environment	<ul style="list-style-type: none">• Temperature: -20℃ ~+55℃• Humidity: ≤ 90% non-condensing
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Dimensions	• 47.82 (L) x 47.82 (W) x20(H) mm
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Weight	• 30g
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1 Welcome



The SLC631 Lighting Relay could be embedded in any global standard In-wall junction box, connecting the traditional switch panel without destroying the original home decoration style. It could remotely control In-wall switch when it works with gateway.

This guide will provide you with an overview of the product and help you get through the initial setup.

Features:

- ZigBee HA 1.2 compliant
- Works with any standard ZHA ZigBee Hub
- Upgrades existing lighting to a remote control lighting system (HA)
- Optional 1-3 Channel(s)
- Remote control, Schedule the relay to automatically switch on and off, Linkage(On/Off) and Scene (Support adding each gang to the scene, max. scene number is 16.)
- Compatible with heating, ventilation, LED drivers to control on/off
- Outside lead to control

2 Installation

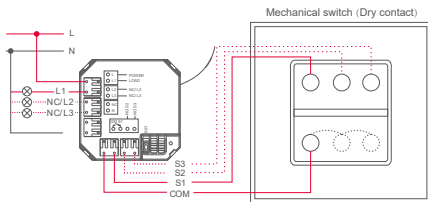
Important safety information!

- The Lighting Relay must be installed and serviced only by qualified electrical personnel.
- Do not touch the terminals of the device during the testing.
- Turn off all power supplying this equipment before installing.
- Make sure that the power supply is off before connecting or disconnecting it to the auxiliary device.
- Always use a properly rated voltage sensing device to confirm power is off.
- Replace all devices, doors and covers before turning on power to this equipment.

Failure to follow these instructions will result in death or serious injury.

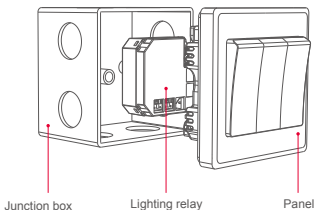
Get started:

- ① Turn the power off before installing or disassembling. Connect the wires according to the port number on the module.



② Put the smart switch module into the In-wall box and fix the antenna according to below diagrams, then close the switch plate.

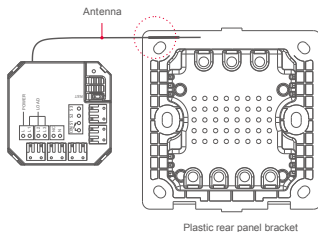
i. Put the smart switch module into the In-wall box



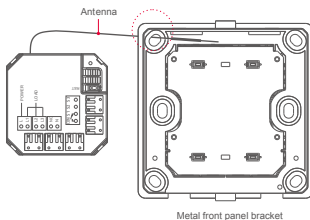
ii. Place the antenna

Note: The antenna cannot be bent; This smart module is not suitable for all-metal switch plate because the metal plate shields the wireless signal.

- When the switch plate or mounting bracket is made of plastic material, the antenna could be placed behind the switch plate.

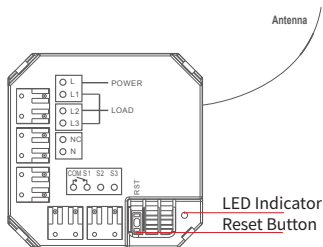


- When the switch plate or mounting bracket is made of Metal, the antenna could be placed through the switch plate.



iii. Turn the power on after the module is wired.

3 Get to know your device



* The product is only for In-door use. The depth of the bottom box should be over than 60 mm. Professionals are required to install or dissemble the product.

LED indicator

The LED status gives the following information:

LED status	What it means
Light off	Device has joined a network.
Blue light on	Device is ready to join the network.

Reset:

Please press and hold the reset button for six seconds until the LED light flashes twice.

4 Configure Network

4.1 To get started, you will need:

- A Zigbee Gateway.
- A mobile phone with a mobile APP installed.

4.2 Adding to the gateway's network

1. Set your gateway to permit joining(see your gateway's manual).
2. Power on the lighting relay and make sure the LED indicator light in blue , which indicates it is ready to join the network (If not, reset it to factory defaults).
3. Place the lighting relay within the network range of the gateway. After a few seconds the lighting relay will join the gateway automatically and the LED indicator is turned off when successfully joined.
4. Now you can control the lighting relay by using the mobile app.

5 FAQ

Q 1. Can I control this power relay using a wireless switch?

A1: Yes. You could use a ZigBee wireless switch such as SLC602 wireless switch to control it rather than using the mobile app, please see SLC602 wireless switch for more info of how to do so.