SLC601 ZigBee Smart Relay Module

Quick Start Guide

Safety Handling

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

- 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.
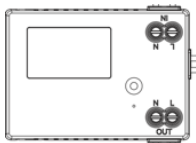
Technical Specifications

Wireless Connectivity	
ZigBee	• 2.4GHz IEEE 802.15.4
ZigBee Profile	• ZigBee HA1.2
RF Characteristics	• Operating frequency: 2.4GHz • Range outdoor/indoor: 100m / 30m • Internal PCB Antenna

Physical Specifications	
Operating Voltage	• 100~240 Vac 50/60 Hz
Power consumption	• < 0.7W
Max. Load Current	• 5A Resistive Load: 1) 500W incandesent bulb or halogenated bulb 2) 100W fluorescent lamp 3) 60W LED lamp
Operating environment	• Temperature: -20℃ ~+55℃ • Humidity: ≤ 90% non-condensing
Dimensions	• 55.3 (L) x 39(W) x17.7(H) mm
Weight	• 42g
Certificate	• CE, ROSH

1 Welcome

The SLC601 is a smart relay module that allows you to turn the power on and off remotely as well as set on/off schedules from the mobile app.

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

Note: Use the smart relay module for no more than rated current 5A.

Features:
• ZigBee HA1.2 compliant
• Upgrades existing lighting to a remote control lighting system (HA)
• Easy installation by simply inserting the Power Relay into the existing power line
• Extra control cables available to integrate with existing physical switch
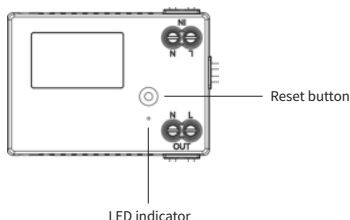
2 **Installation**

Please refer to the installation diagram below to install the smart relay module.

Please make sure the main power in your facility is off before installing.
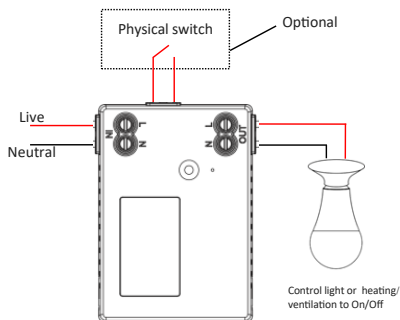
Wiring diagram

3 Get to know your device

Reset button

LED indicator

Reset button

Reset: Press and hold the reset button for ten seconds until the LED indicator flash for 3 times at third seconds and flash again for 3 times at tenth seconds. The indicator will keep flashing when the device is returned to default factory setting.

Identify: Press and hold the reset button for three seconds until the LED indicator flashes for 3 times. The LED indicator will keep flashing and the identify mode will last for one min.

LED indicator

The LED status gives the following information:

LED status	What it means
Green	The load is ON.
Red	The load is OFF.
Steady light	Device has joined a ZigBee network.
Keep Flashing	Device has not joined a ZigBee network.
Flashing rapidly for 3 times	Identify mode/Reset

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 smart relay module and make sure the LED indicator is flashing (If not, reset it to factory defaults).
3. Make sure the smart relay module is in the range of gateway's network. After few seconds the the smart relay module will join the gateway automatically and the LED indicator will become steady when successfully joined.
4. Now you are able to control the smart relay module using the mobile app.

Note: If the adding is failed, simply reset the smart relay module and retry.

5 FAQ

Q 1. Can I control this relay module using a wireless switch?
Yes. You could use a ZigBee wireless switch such as SLC602 wireless switch to control it rather than using the mobile app. You can refer to SLC602 guide to pair with it.