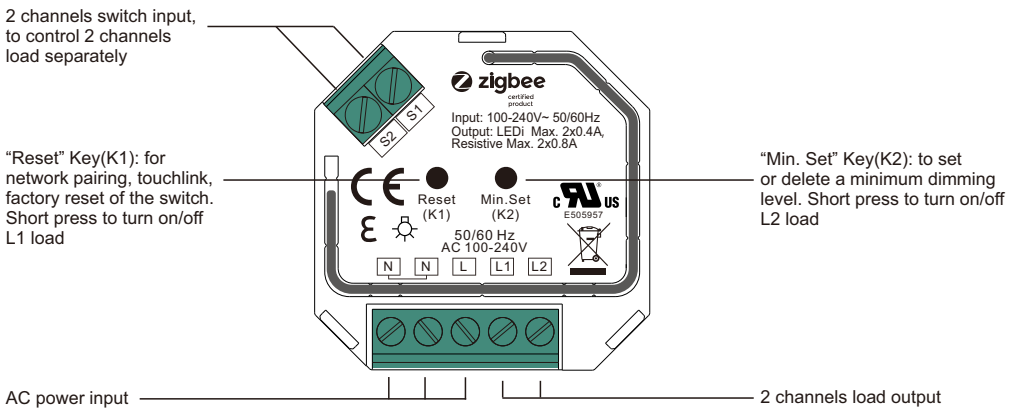
2 Channels Zigbee to Triac Dimmer

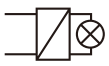
Important: *Read All Instructions Prior to Installation*

Function introduction



Product Data

Input Voltage	Output Voltage	Output Channel	Max. Load	Size(LxWxH)
100-240VAC	100-240VAC	2 Channels	Resistive load: max. 0.4A/CH Capacitive load: max. 0.8A/CH	45.5x45x20.3mm

Compatible Load Types			
Load Symbol	Load Type	Maximum Load	Remarks
	Dimmable LED lamps	100W/CH @ 230V 50W/CH @ 120V	Due to variety of LED lamp designs, maximum number of LED lamps is further dependent on power factor result when connected to dimmer.
	Dimmable LED drivers	100W/CH @ 230V 50W/CH @ 120V	Maximum permitted number of drivers is 200W divided by driver nameplate power rating.
	Incandescent lighting, HV Halogen lamps	200W/CH @ 230V 100W/CH @ 120V	
	Low voltage halogen lighting with electronic transformers	100W/CH @ 220V 50W/CH @ 110V	

- ZigBee 2 channels AC phase cut dimmer based on latest ZigBee 3.0 protocol
- 100-240VAC Wide Input and Output Voltage
- Supports resistive loads and capacitive loads
- 2 channels output, 2 zigbee endpoints, 2 channels can be controlled individually
- Input and Output with Screw Terminals, Safe and Reliable
- Both leading edge version and trailing edge version are available for choosing, default factory setting is trailing edge
- Enables to control ON/OFF and light intensity of connected triac dimmable led light or led driver
- Compatible with universal ZigBee gateway that supports multiple endpoints
- Can be controlled by universal single wire push switch, 2 channels can be controlled separately by 2 switches
- Mini Size, Easy to be Installed into a standard 86*86mm wall box
- Radio Frequency : 2.4GHz
- Waterproof grade: IP20

ZigBee Clusters the device supports are as follows:

Endpoint 0x01 - Channel 1:

• 0x0000: Basic • 0x0003: Identify • 0x0004: Groups • 0x0005: Scenes • 0x0006: On/off
• 0x0008: Level Control

Endpoint 0x02 - Channel 2:

• 0x0000: Basic • 0x0003: Identify • 0x0004: Groups • 0x0005: Scenes • 0x0006: On/off
• 0x0008: Level Control

Endpoint 0x0b - Whole device:

• 0x0000: Basic • 0x0b05: Diagnostics • 0x1000: ZLL Commissioning • 0x0019: OTA

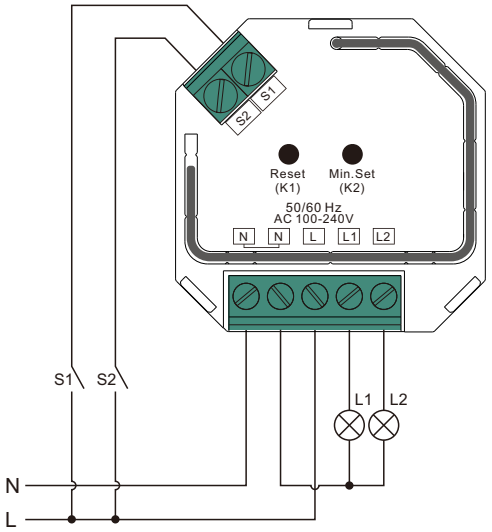
Safety & Warnings

- DO NOT install with power applied to device.
- DO NOT expose the device to moisture.

Wiring Diagram

Notes for the diagrams:

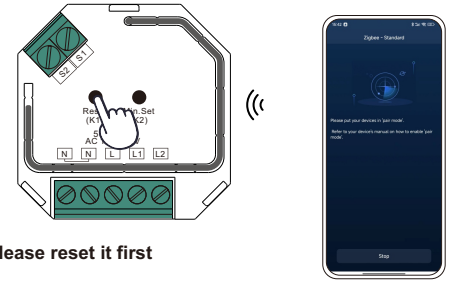
L - terminal for live lead
N - terminal for neutral lead
L1, L2 - output terminal of the dimmer (controlling connected light source)
S1, S2 - terminal for switch



Operation

1. Zigbee Network Pairing through Coordinator or Hub (Added to a Zigbee Network)

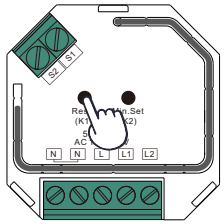
Step 1: From your ZigBee Controller or hub interface, choose to add lighting device and enter Pairing mode as instructed by the controller.
Step 2: Short press the “Reset” button 5 times to set it into network pairing mode. Pairing mode will last until the device is added to a network.
Step 3: Connected light will blink 5 times and then stay solid on, then the device will appear in your controller's menu and can be controlled through controller or hub interface.



*** If the device had been added into the other zigbee network, please reset it first**

2. Factory Reset Manually

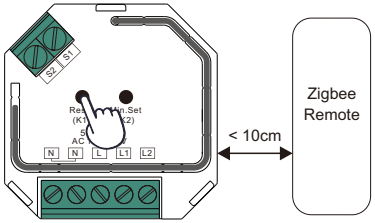
Step 1: Short press “Reset.” key for 5 times continuously.
Step 2: Connected light will blink 3 times to indicate successful reset.



Note:
1) If the device is already at factory default setting, there is no indication when factory reset again .
2) All configuration parameters will be reset after the device is reset or removed from the network.

3. TouchLink to a Zigbee Remote

Step 1: Short press “Reset” button 4 times to start Touchlink commissioning immediately, 180S timeout, repeat the operation.
Step 2: Bring the remote or touch panel within 10cm of the lighting device.
Step 3: Set the remote or touch panel into Touchlink commissioning, please refer to corresponding remote or touch panel manual to learn how.
Step 4: There shall be indication on the remote for successful link and connected light will flash twice.

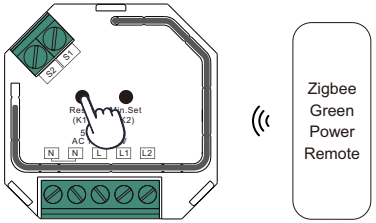


Note:
1) Directly TouchLink (both not added to a ZigBee network), each device can link with 1 remote.
2) TouchLink after both added to a ZigBee network, each device can link with max. 30 remotes.
3) To control by both gateway and remote, add remote and device to network first then TouchLink.
4) After TouchLink, the device can be controlled by the linked remotes.

4. Learning to a Zigbee Green Power Remote

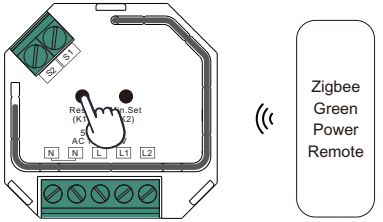
Step 1: Short press “Reset.” button 4 times to start Learning mode (connected light flashes twice), 180 seconds timeout, repeat the operation.
Step 2: Set the green power remote into Learning mode, please refer to its manual.
Step 3: Connected light will flash twice to indicate successful learning. Then the remote can control the device.

Note: Each device can learn to max. 20 zigbee green power remotes.



5. Delete Learning to a Zigbee Green Power Remote

Step 1: Short press “Reset.” button 3 times to start delete Learning mode (connected light flashes slowly), 180 seconds timeout, repeat the operation.
Step 2: Set the paired green power remote into Learning mode, please refer to its manual.
Step 3: Connected light will flash 4 times to indicate successful deleting.



6. Minimum Brightness Setting Button

Set minimum brightness: Adjust **L1** lighting brightness to a desired level, press and hold down the button for 3 seconds to set it as minimum brightness, the connected load will flash to confirm successful setting, then the dimming range is between this minimum brightness and 100%.
Delete minimum brightness: Adjust **L1** lighting brightness to 100%, press and hold down the button for 3 seconds to delete the previously set minimum brightness, the connected load will flash to confirm successful deleting, then the dimming range is between 1% and 100%.

7.Controlled by a push switch

Once connected with a push switch, click the push switch to switch ON/OFF, press and hold down it to increase/decrease light intensity.
S1 controls **L1** lighting, **S2** controls **L2** lighting

8. OTA

The device supports firmware updating through OTA, and will acquire new firmware from zigbee controller or hub every 10 minutes automatically.

Product Dimension