

SAMOTECH SM323 ZIGBEE DIMMER 250W






Important: Read All Instructions Prior to Installation







Function introduction

This dimmer is a UK standard Zigbee rotary dimmer switch for Dimmable LED lamps.
The minimum brightness setting of the dimmer can be adjusted to achieve the optimum dimming range for a particular load, details as the **minimum brightness setting**.



SPECIFICATION

Operating Voltage	220-240 V ~
Frequency	50 Hz
Maximum Load	250 W
Minimum Load	5 W
Dimming Mode	Trailing Edge
Control Method	Multiway
 Dimmable LED lamps	5-250VA
 LV Halogen lighting with electronic transformers	10-250W
 Incandescent lighting, MV Halogen lamps	10-250W

	The device is in compliance with CE certified.
	Should not be disposed with other household wastes.
	This product is not a toy. Keep away from children and animals.
	Do not expose this product to moisture, water or other liquids.
	Do not attempt to examine or repair this product yourself.
	This product is designed for indoor use only. Do not use outside!

Warning!

Certain light sources may not behave according to the power rating when used with a dimmer. An overload will result in the safety features switching the dimmer off. We recommend to connect under the suggest load.

- ZigBee AC phase cut dimmer based on latest ZigBee 3.0 protocol
- 220V-240V AC Input and Output Voltage
- Supports resistive loads and capacitive loads
- Input and Output with Screw Terminals, Safe and Reliable
- Trailing edge control
- Enables to control ON/OFF and light intensity of connected triac dimmable led light or led driver
- ZigBee end device that supports Touchlink commissioning
- Can directly pair to a compatible ZigBee remote via Touchlink without coordinator
- Supports self-forming zigbee network without coordinator and add other devices to the network
- Supports find and bind mode to bind a ZigBee remote
- Compatible with European trendy ZigBee gateway products
- Can be controlled by universal 220V-240V input single wire push switch
- Radio Frequency : 2.4GHz
- Waterproof grade: IP20

Safety & Warnings

- DO NOT install with power applied to device.
- DO NOT expose the device to moisture.
- DO NOT open the dimmer in case any damages that out of repair.

ZigBee Clusters the device supports are as follows:

Input Clusters

- 0x0000: Basic
- 0x0003: Identify
- 0x0004: Groups
- 0x0005: Scenes
- 0x0006: On/off
- 0x0008: Level Control
- 0x0b05: Diagnostics

Output Clusters

- 0x0019: OTA

Operation

1.Do wiring according to connection diagram correctly.

2.This ZigBee device is a wireless receiver that communicates with a variety of ZigBee compatible systems. This receiver receives and is controlled by wireless radio signals from the compatible ZigBee system.

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

Step 1: Remove the device from previous zigbee network if it has already been added to, otherwise pairing will fail. Please refer to the part "**Factory Reset Manually**".

Step 2: From your ZigBee Controller or hub interface, choose to add lighting device and enter Pairing mode as instructed by the controller.

Step 3: Turn on your lamp, double press the knob and long press it at the second time with seeing light flickering for twice, network pairing mode will last for 15 minutes once timeout repeat this step.

Step 4: The light will flicker once and solid on means that the device is successfully found in your controller's menu and can be controlled through controller or hub interface.

4. TouchLink to a Zigbee Remote

Step 1: Turn on the light, press the knob for 3 times and long press the third time for 3 seconds.

Step 2: Light will flicker for 3 times and solid on to show that the device is in touchlink commissioning, 180s timeout repeat this step.

Step 3: Bring the remote or touch panel within 10cm of the lighting device.

Step 4: Set the remote or touch panel into Touchlink commissioning, please refer to corresponding remote or touch panel manual to learn how.

Step 5: Once connected, the light will flicker for 10 times, you can control your lights remotely.

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) For Hue Bridge & Amazon Echo Plus , add remote and device to network first then Touchlink.
4) After Touchlink,the device can be controlled by the linked remotes.

5. Find and Bind Mode

Note: Make sure the device and remote already added to the same zigbee network.

Step 1: Turn on the light, press the knob for 4 times and long press the forth time for 3 seconds.

Step 2: The light will flicker for 4 times and solid on to show that the device is in Find and Bind Mode, 180s timeout repeat this step.

Step 3: Set the remote or touch panel(target node) into find and bind mode, and enable it to find and bind initiator, please refer to corresponding remote to touch panel manual.

Step 4: There shall be an indication on the remote or touch panel that it bind the device successfully and can control it then to learn how.

6. Factory Reset Manually

Note: All configuration parameters will be reset after the device is reset or removed from the network.

Step 1: Turn on the light, press the knob for 5 times and long press the fifth time for 3 seconds.

Step 2: Once reset successfully, the lamp will flicker for 5 time and will solid on.

8. Minimum brightness setting

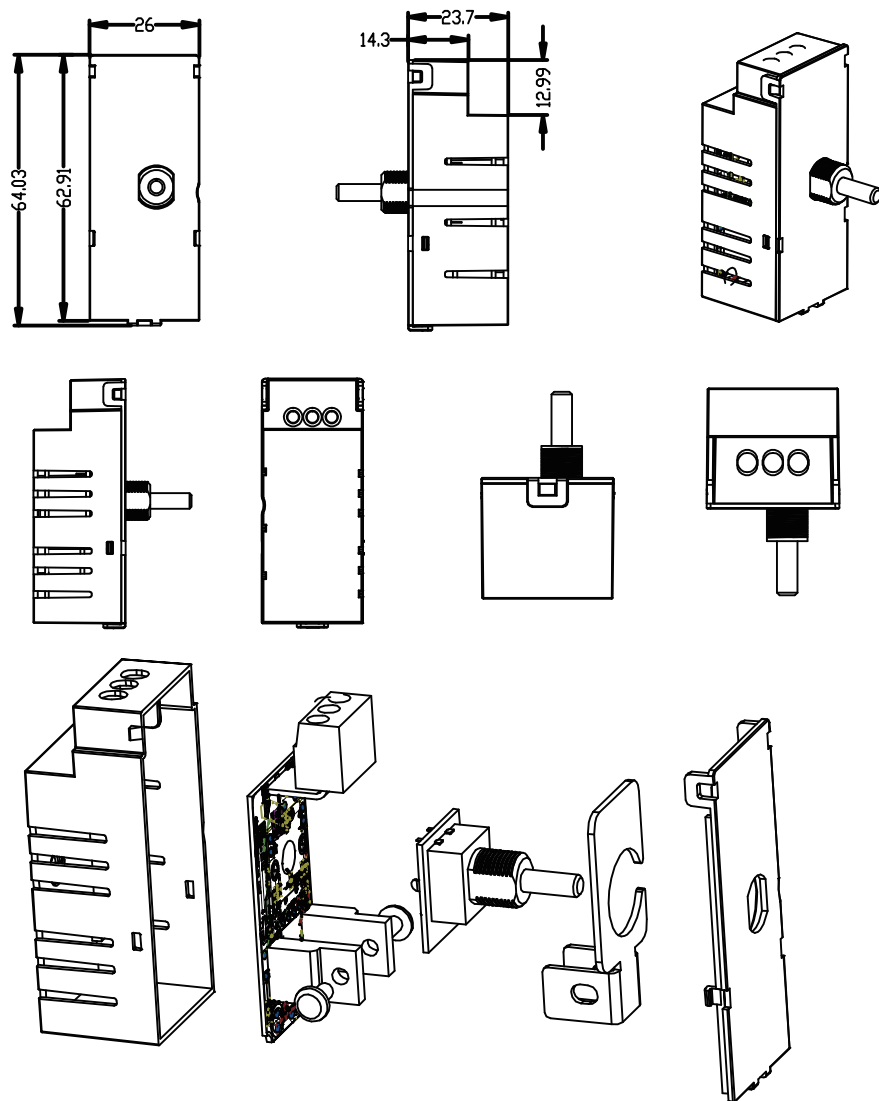
Step 1: Turn on the light, press the knob for 3 times, light will flicker for twice shows that the device is in the configuration mode.

Step 2: Adjusting the minimum brightness you satisfied, press the knob once to save it.

9. OTA

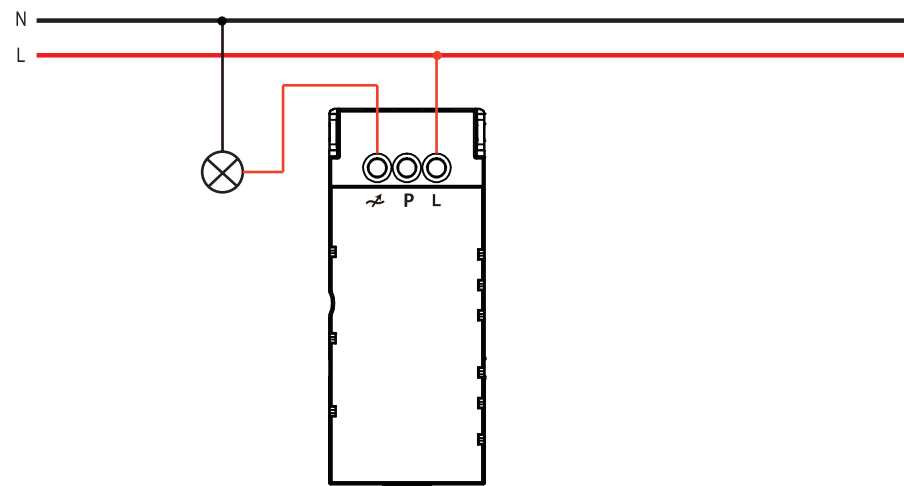
The device supports firmware updating through OTA, and will acquire new firmware from zigbee controller or hub every 10 minutes automatically.

DIMENSION



10. Wiring diagram

One-way wiring connection



Multiway master&slave wiring connection

Once connected with a push switch, press it to switch ON/OFF, press and hold it to increase or decrease the light intensity.

