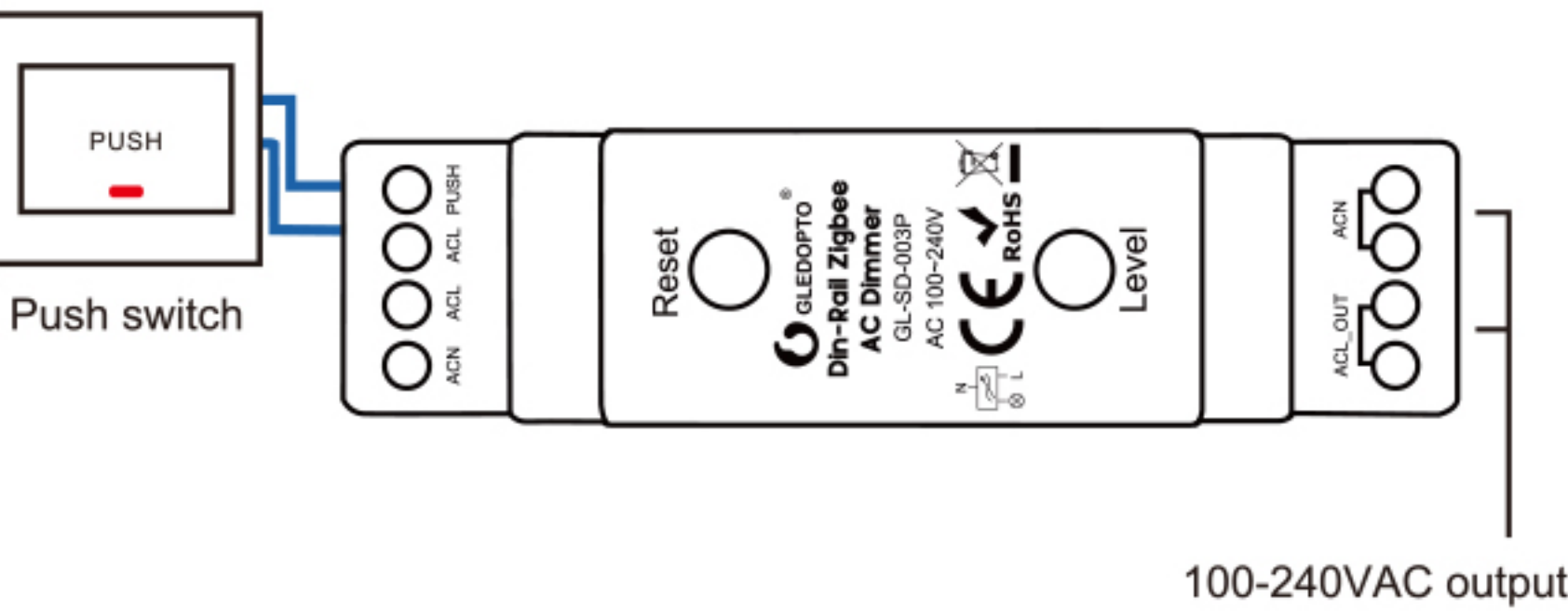# GLEDOPTO®

DIN Rail Zigbee AC Dimmer
User Instruction

Ⅰ. PRODUCT DESCRIPTION:

The DIN Rail Zigbee AC Dimmer can be used for switching and dimming the brightness of lights loaded.
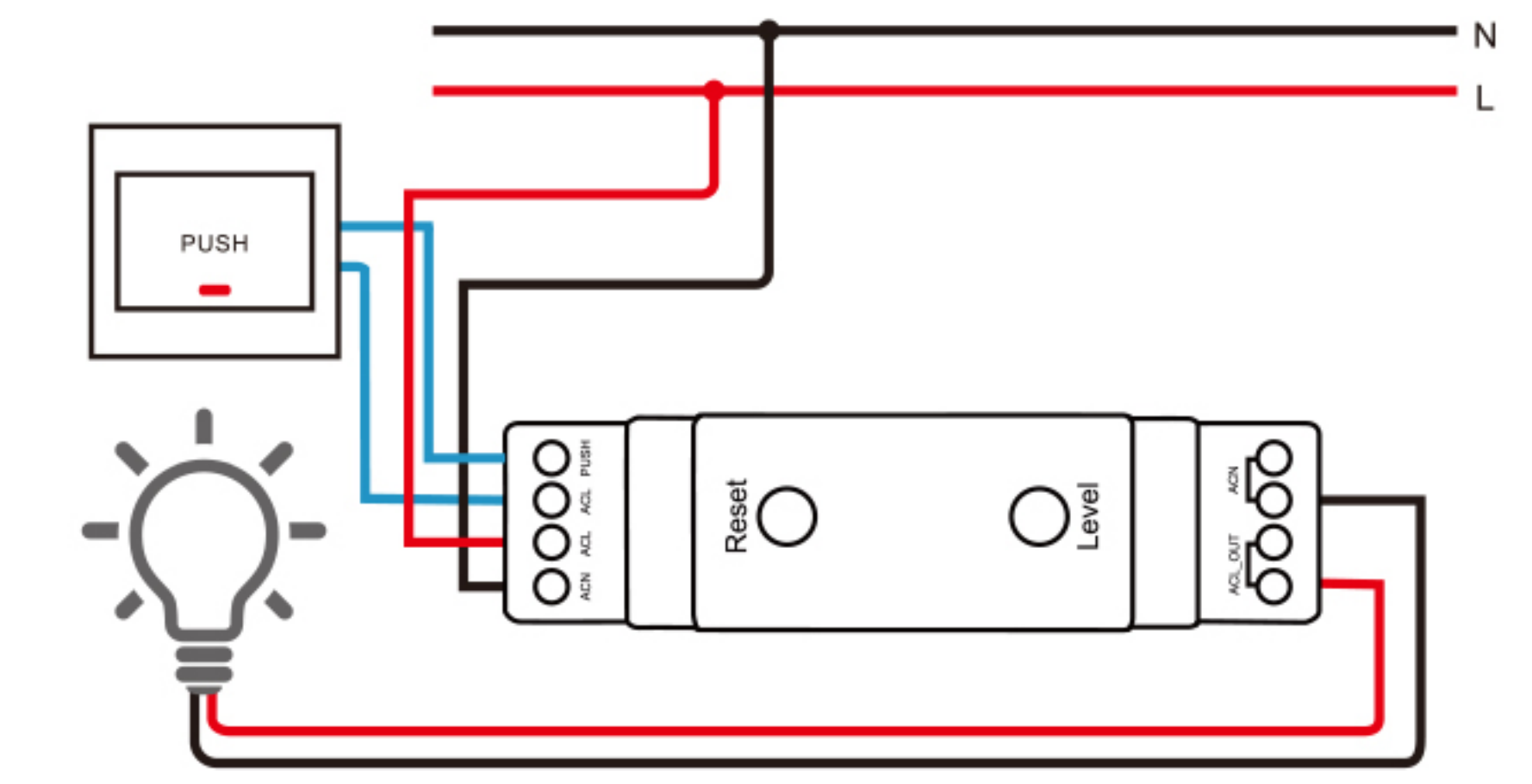

Push switch

100-240VAC output

Ⅱ. SPECIFICATION:

Size: 92x24x59mm

Model NO.: GL-SD-003P

Input Voltage: 100~240VAC

Output Voltage: 100~240VAC

Output Current: 1.8 A Max

Protection rate: IP20

Radio Frequency: 2.4GHz

Operating Temperature: -20°C~60°C

Ⅲ. COMPATIBLE LOAD TYPES:

Load Symbol	Load Type	Maximum Load
	Dimmable LED lamps	200W@220V 100W@110V
	Dimmable LED drivers	200W@220V 100W@110V
	Incandescent lighting, HV Halogen lamps	400W@220V 200W@110V
	Low voltage halogen lighting with electronic transformers	200W@220V 100W@110V

Ⅳ. Wiring Diagrams:

Ⅴ. FUNCTION OF THE DEVICE:

Function of "RESET" key

① **MIN Brightness Setting**
Long press "Reset" key to set the "MIN brightness", The brightness of the light gradually decreases. When the key is released, the "MIN brightness" setting is completed, the brightness of the light can only be adjust between the "MIN brightness" and 100% brightness.

*Note:
The dimming range of the dimmer is 1%-100%(brightness), but some lights may flicker while dim to 1%, thus the "MIN Brightness Setting"is needed.

② **RESET**
Short press for 5times to RESET the device.

Function of "LEVEL" key

① **ON/OFF**
Short press the "Level" key to turn on/off the device.

② **DIMMER**
Long press for adjusting the brightness of light.

Zigbee Clusters the device supports are as follows:

Input clusters
- 0x0000: Basic
- 0x0004: Groups
- 0x0005: Scenes
- 0x0003: identify
- 0x0006: on/off
- 0x0008: Level Control
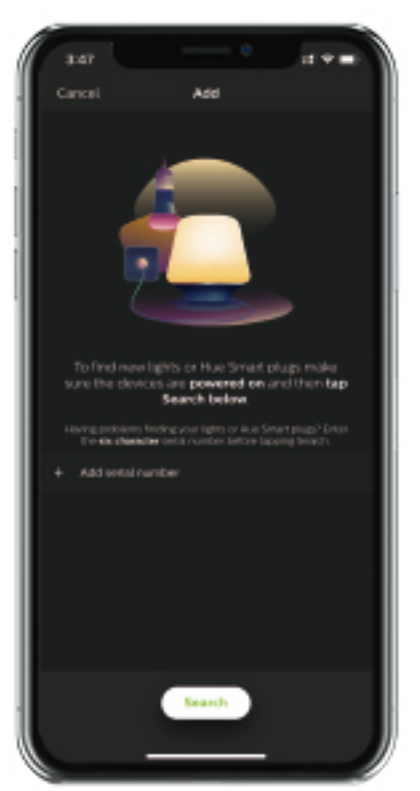
Output clusters
- 0x0019: OTA

Ⅵ. NETWORK PARING:

1. Pairing with Zigbee Hub
Add the device to a zigbee network via coordinator or hub

① **Please ensure the device wasn't be paired.**
Otherwise, please "RESET" the device according to the part Ⅶ "RESET".

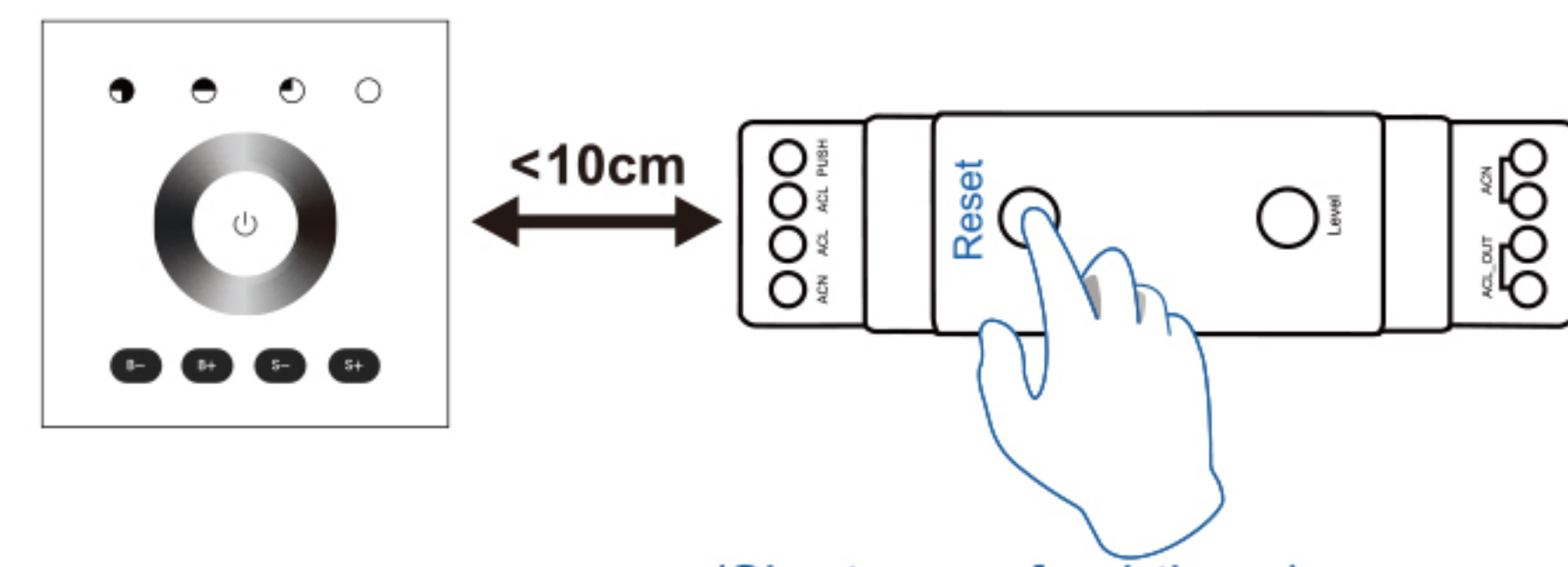② **After STEP 1, there will be a pairing process about 90s.** Once times out, you need to repeat the ①.

③ **Open the zigbee App (hue or Amazon Alexa), add the device.**

(Flash 4 times)

④ **The device *show itself on App and the light (connected to the device) will *blink 4 times.**
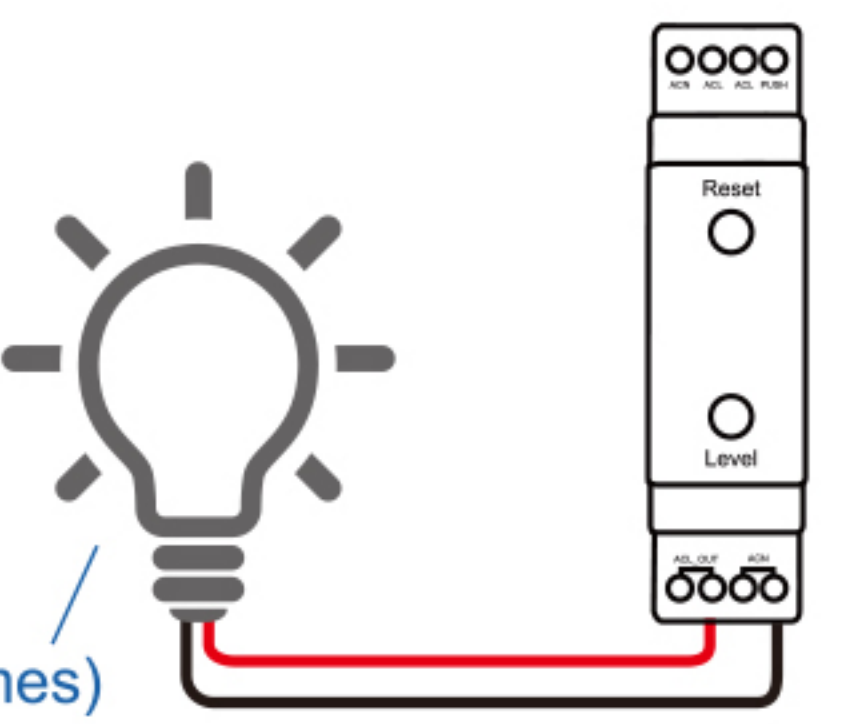
2. TouchLink to a Zigbee Remote Control / Touch Panel

① **Please make sure the distance between the device and remote control/ touch panel less than 10cm;**

<10cm

(Short press for 4 times)

② **Method 1: Short press "Reset" button for 4 times to start "Touchlink Commissioning".**

The device will **flash 3 times** to indicate successful enter the touch link pairing mode.
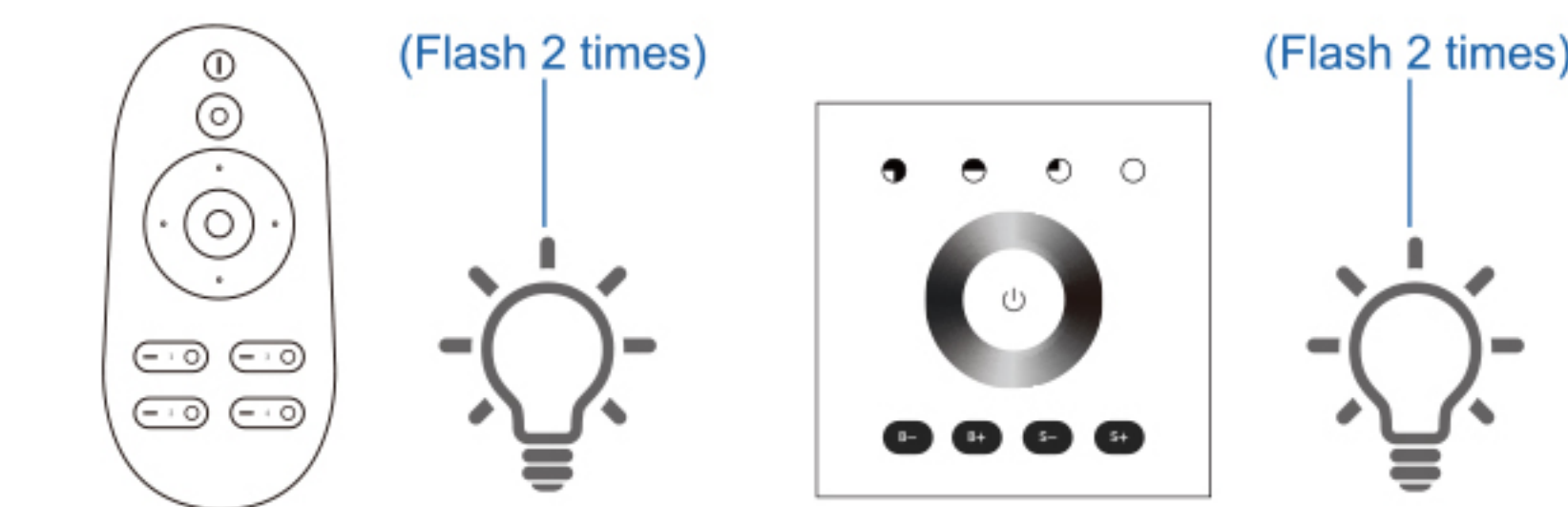
(Flash 3 times)

Method 2: Re-power on the device.
a. If the device is not added to the zigbee network, "Touchlink Commissioning" will start after 15s, 165s timeout.
b. If the device is already added to the zigbee network, it will start "Touchlink Commissioning" immediately, 180s time out.
Please repeat the operation once timeout.

③ **Set the remote / touch panel to enter "Touchlink Commissioning".**

please refer to the manual of the corresponding remote / touch panel.

④ **The paring light will blink twice to indicate successfully connected.**

Now the device shall be zigbee remote / touch panel controllable.

(Flash 2 times)   (Flash 2 times)

*Note:

① If the device & remote control in different zigbee network, each remote can link with one device.

② If the device & remote control in the same zigbee network, max 30 remotes can link with one device.
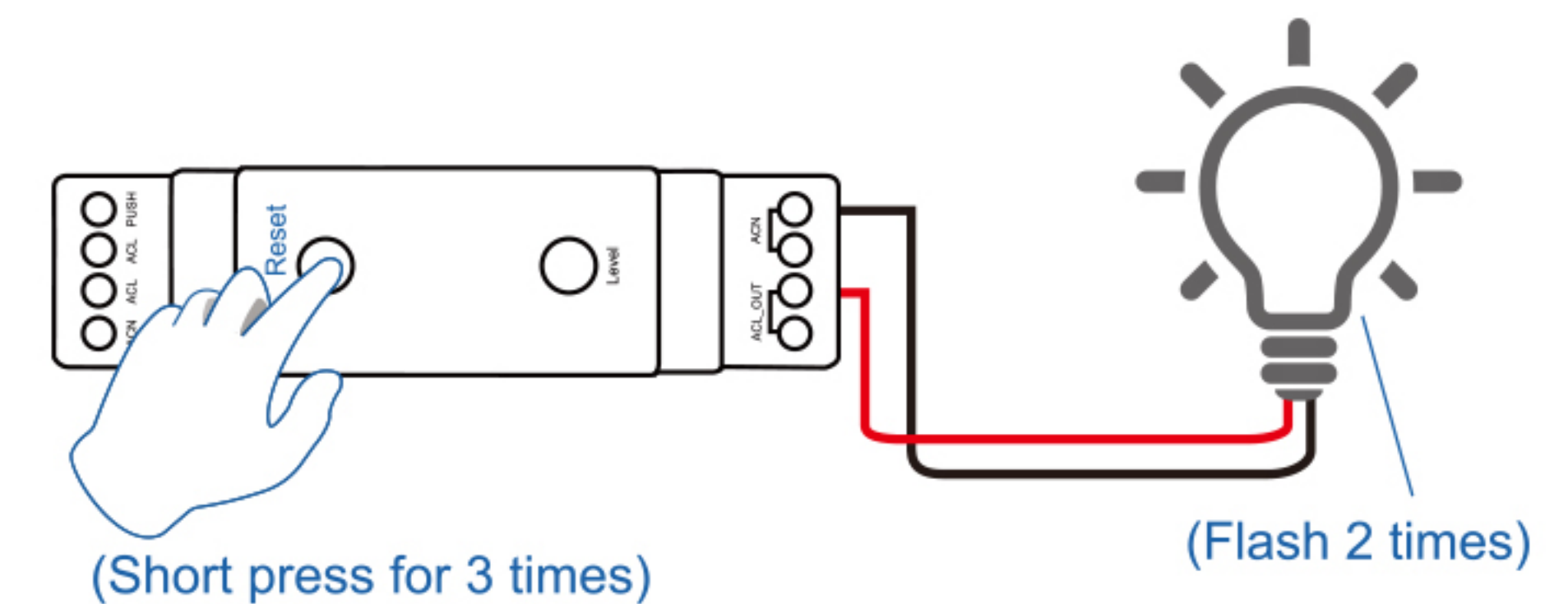
③ For the Philips Hue /Amazon Echo Plus, the device & remote control shall in the same network before TouchLink.

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3. Find and Bind Mode

*Note: Make sure that the device & remote are in the same network.

① **Short press "Reset" button (or re-power on the device) for 3 times.**

The light (connected to the device) will blink twice, and start "Find and Bind" mode to find the "Target Node".
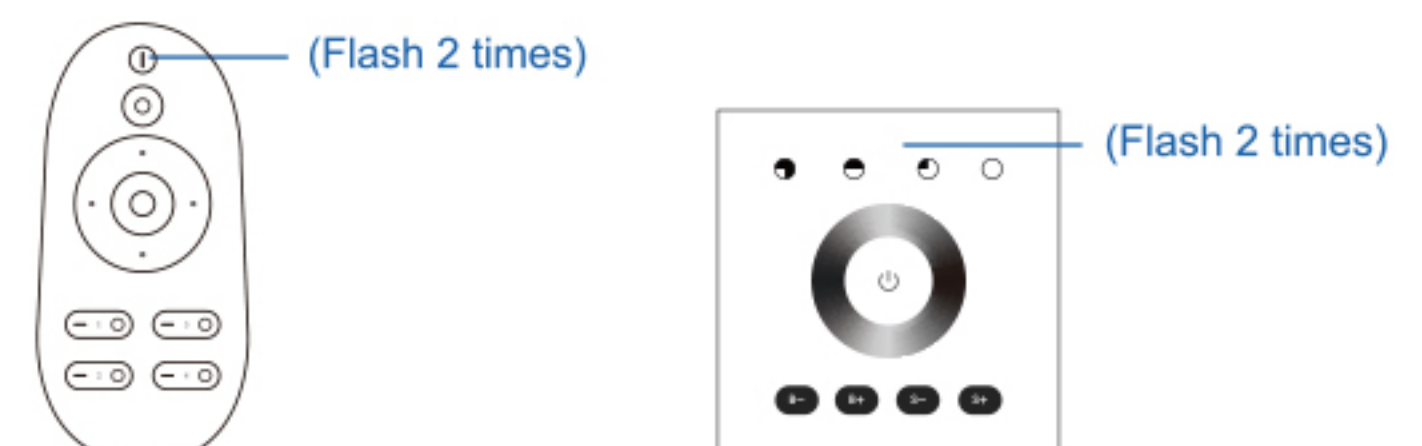

(Short press for 3 times)   (Flash 2 times)

② **Set the remote control / touch panel (target node) to enter the "Find and Bind" mode to search for "Bind Initiator".**

Please refer to the manual of the corresponding remote / touch panel.

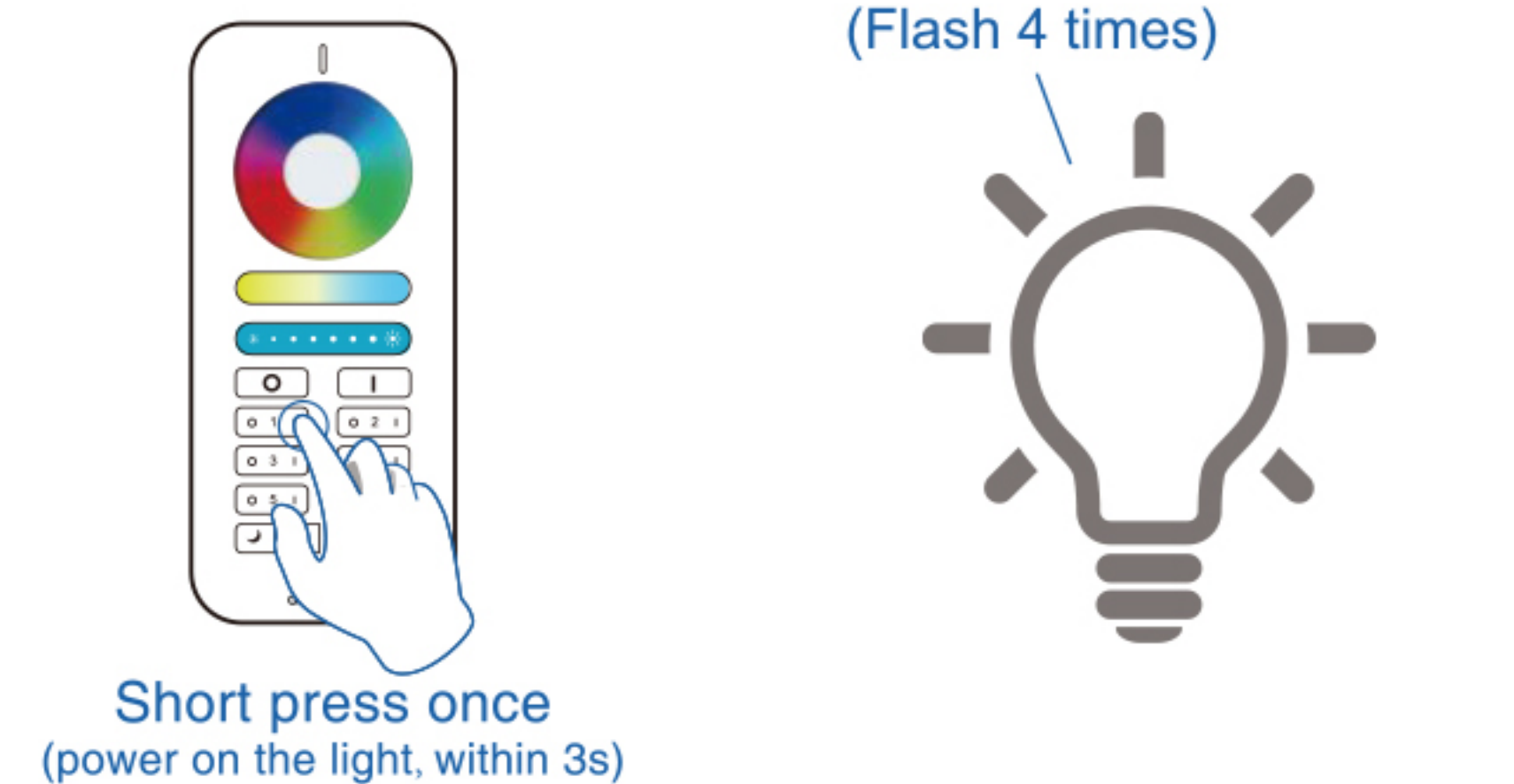③ **"Find and Bind" is completed, the remote / touch panel shall have indication.**

Now the device shall be remote control / touch panel controllable.

(Flash 2 times)   (Flash 2 times)

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4. Pairing with GLEDOPTO 2.4GHz RF Remote Control / Touch Panel

① Power on the light, within 3s, press zone "I" (of any group you want the light into) to start the pairing process.

(Flash 4 times)

Short press once
(power on the light, within 3s)

② the light (connected to the device) blink 4 times to indicate successfully paring.

③ now the device shall be 2.4GHz remote control / touch panel controllable.
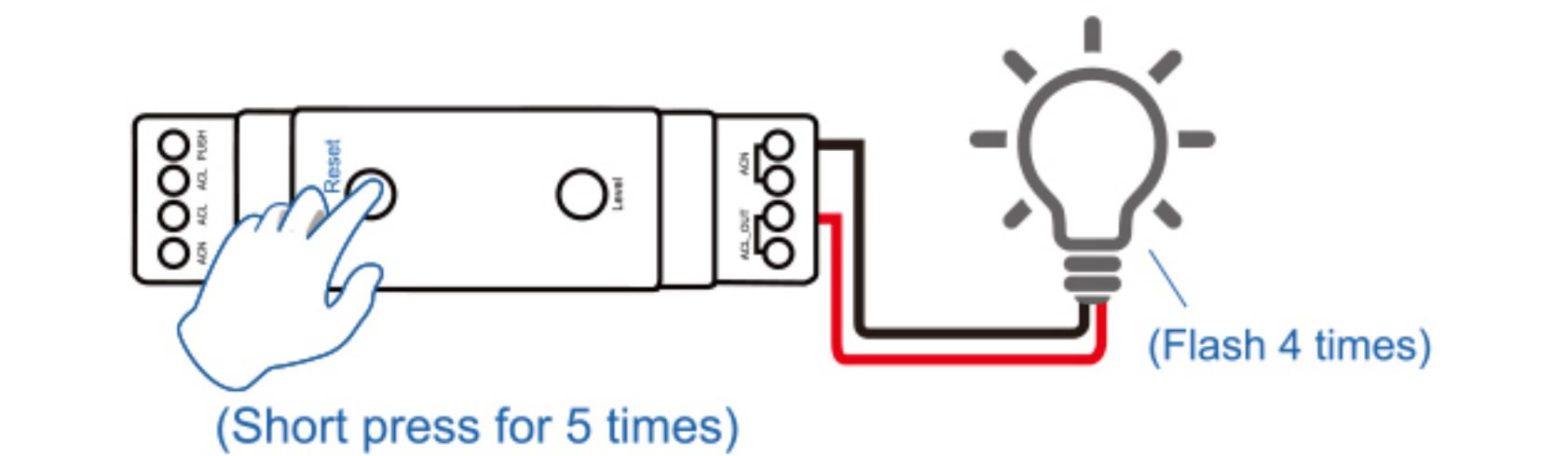
VII. RESET:

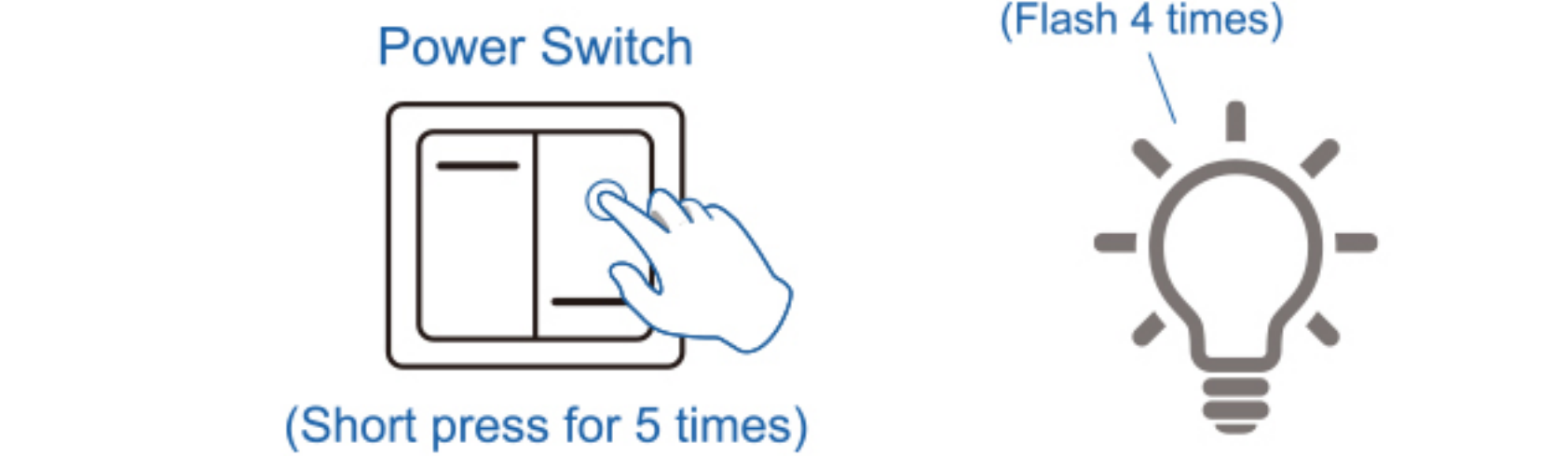### 1. RESET the Zigbee Network

① Method 1: Delete the device on theAPP.

Method 2: Short press"RESET" key on the device for 5 times.
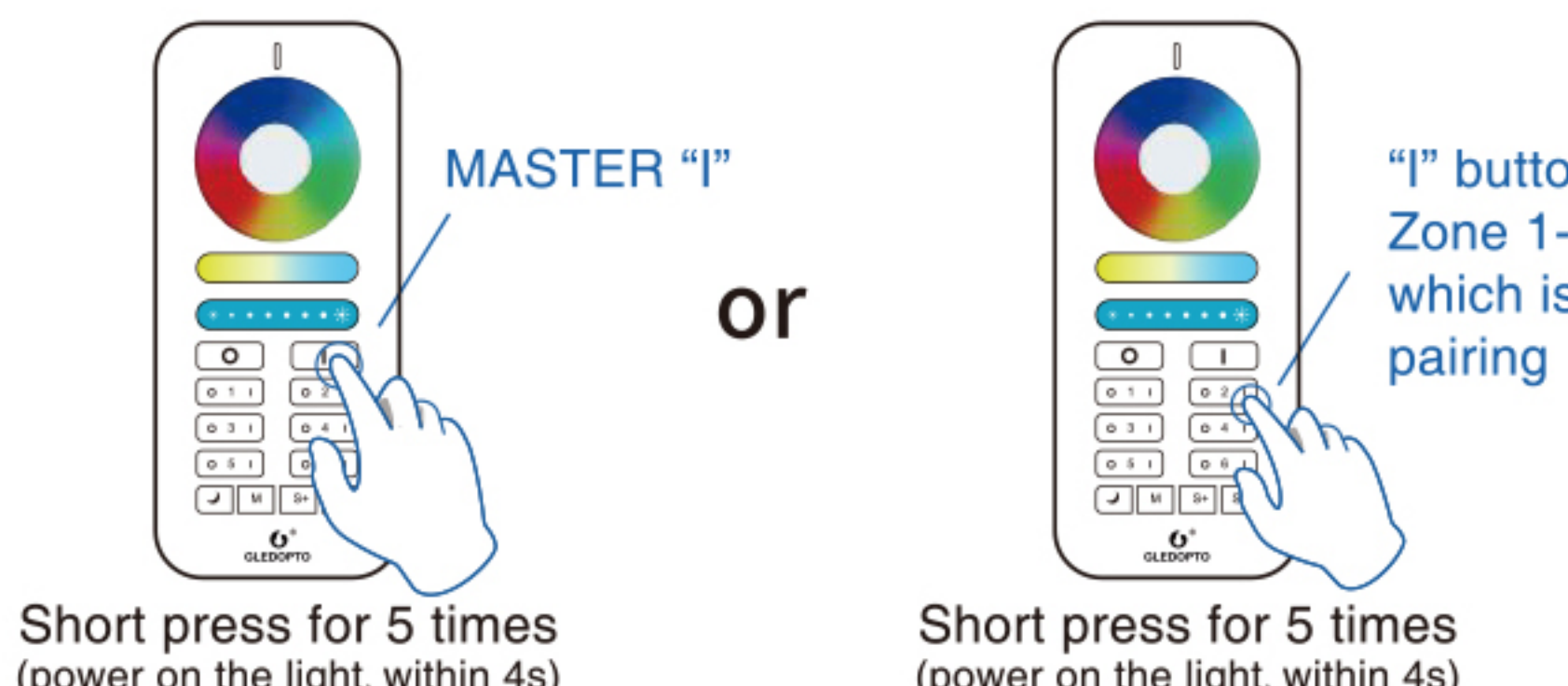
Method 3: Power cycle(on/off) the device for 5 times.

Method 2:

(Short press for 5 times)   (Flash 4 times)

Method 3:

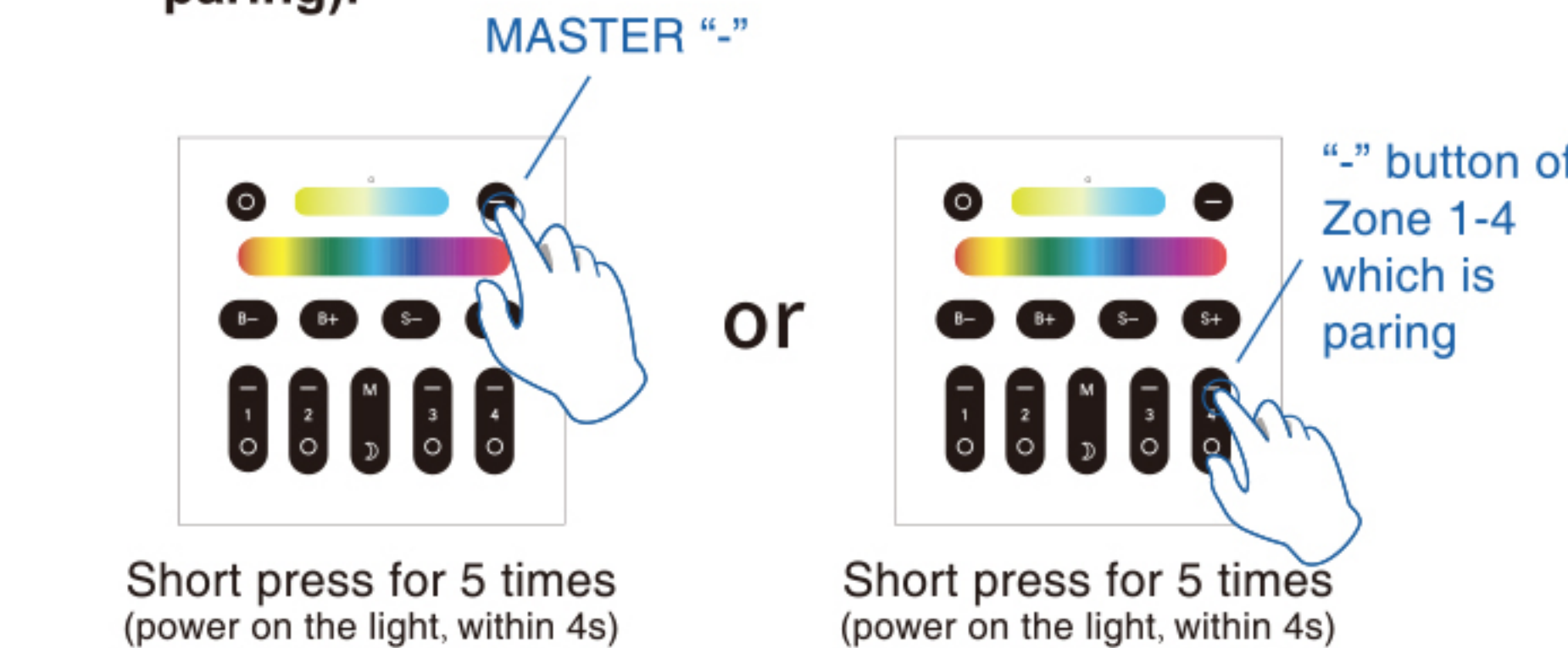Power Switch   (Flash 4 times)

(Short press for 5 times)

② **The light (connected to the device) Flash 4 times, reset is done.**
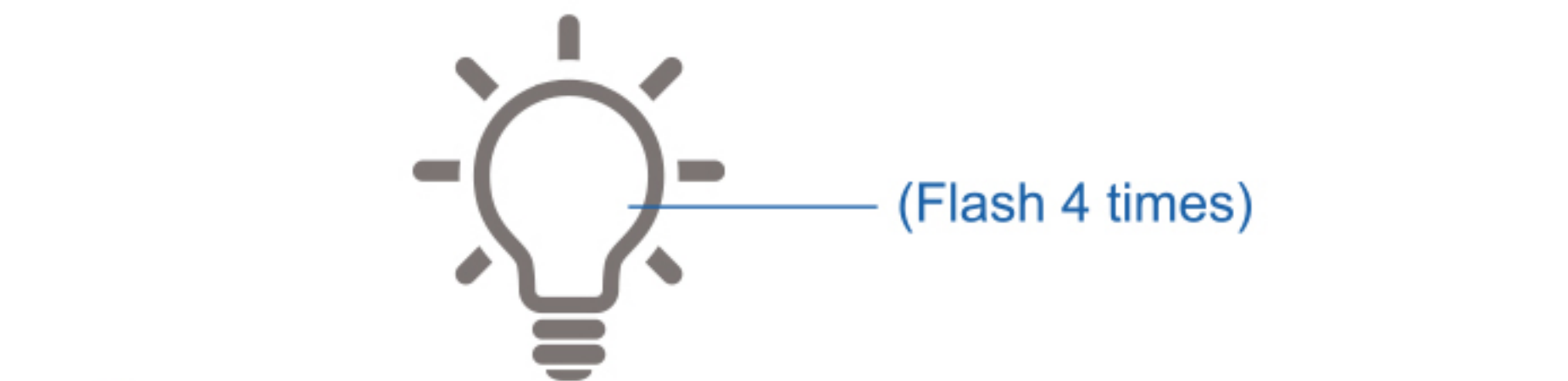
2. RESET the 2.4GHz RF Network

① **Method 1: power on the light, short press(within 4s) "MASTER I" button for 5 times. (or "I" button of Zone 1-6 which is pairing).**

MASTER "I"   **or**   "I" button of Zone 1-6 which is pairing

Short press for 5 times
(power on the light, within 4s)

Short press for 5 times
(power on the light, within 4s)

Method 2: power on the light, short press(within 4s)"-" button for 5 times.(or"-" button of Zone 1-4 which is paring).

MASTER "-"

or   "-" button of Zone 1-4 which is paring

Short press for 5 times
(power on the light, within 4s)

Short press for 5 times
(power on the light, within 4s)

② **The light (connected to the device) shall flash for 4 times.**

(Flash 4 times)

③ **Reset is done.**

VIII. COMPATIBLE WITH:

GL-SD-I-003