

Candeo Zigbee 2-Channel Switch Module

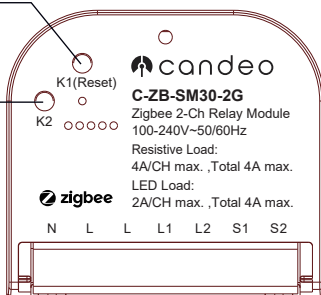
C-ZB-SM30-2G



Please read these instructions carefully before installation.

- Network pairing
- TouchLink commissioning
- Factory reset of the controller
- L1 ON/OFF control

L2 ON/OFF control



Works With
PHILIPS HUE

Works With
HOME ASSISTANT

Works With
SMARTTHINGS

Works With
HUBITAT

Works With
ZIGBEE2MQTT

Installation & Wiring

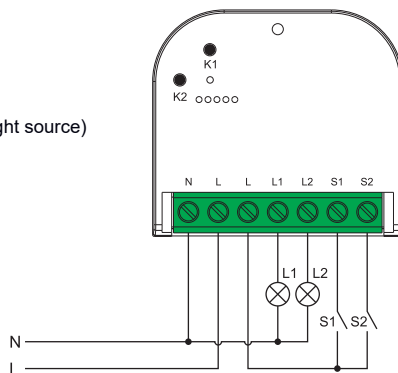
Notes for the diagrams:

L – live terminal

N – neutral terminal

L1, L2 – dimmer output terminals (for controlling the connected light source)

S1, S2 – switch terminals



Zigbee Network Pairing Mode or Factory Reset

If the device has not yet been added to a network, it will automatically enter network pairing mode the first time it is powered on. This mode will last for 180 seconds or until the device is successfully added to a network.

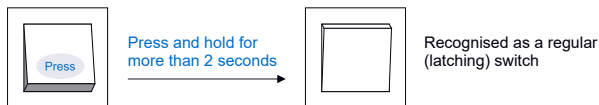
Initiate zigbee pairing on your zigbee smart home platform, and your device will be discovered.

To manually perform a factory reset and enter pairing mode, press the **K1** button **5 times**.

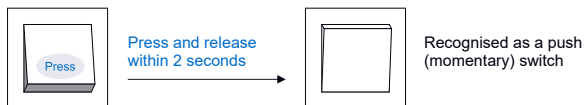
External Switch Type Detection

Upon power-up, the default switch type is set to a push switch (momentary).
The system detects the actual switch type based on the user's first operation after power-up:

- **If the switch is pressed and held for more than 2 seconds:** it is recognised as a regular (latching) switch.



- **If the switch is pressed and released within 2 seconds:** it is recognised as a push (momentary) switch.



If the switch is pressed and released within 2 seconds, it remains identified as a momentary (push) switch.

Button and LED Indicator Operation

No.	Operation	Key	Description
1.1	Short press (once)	K1	Switches L1 load ON/OFF
		K2	Switches L2 load ON/OFF
1.2	Short press (three times)	K1	Enables <i>Find and Bind</i> mode for Endpoint 1, or removes a paired Zigbee Green Power remote. The LED indicator flashes three times in a 3-second cycle.
		K2	Enables <i>Find and Bind</i> mode for Endpoint 2, or removes a paired Zigbee Green Power remote. The LED indicator flashes four times in a 3-second cycle.
1.3	Short press (four times)	K1	Enables TouchLink commissioning for Endpoint 1. The LED indicator flashes slowly. Upon successful TouchLink commissioning, the LED indicator flashes rapidly for 3 seconds.
		K2	Enables TouchLink commissioning for Endpoint 2. The LED indicator flashes slowly. Upon successful TouchLink commissioning, the LED indicator flashes rapidly for 3 seconds.
1.4	Short press (five times)	K1	Performs a factory reset and enters network pairing mode. This mode remains active for 180 seconds or until the device is successfully added to a Zigbee network. The LED indicator flashes rapidly during this period.

Specifications

Operating Voltage	Maximum Load Current (L1 / L2)	Maximum Load Current (L1 + L2)	Overcurrent Protection	Standby Power Consumption	Dimensions (L × W × H)
100–240 V AC	Inductive load: 2A max. Capacitive load: 2A max. Resistive load: 4A max.	Combined load: 4A max.	5A max.	≤ 0.5 W	42 × 38 × 16 mm

Specifications (continued)

- 2-gang Zigbee in-wall switch based on the latest Zigbee 3.0 protocol.
- Allows independent ON/OFF control of connected loads.
- Two Zigbee endpoints, each controllable separately.
- Zigbee end device supporting TouchLink commissioning.
- Supports Zigbee Green Power and can bind up to 20 Zigbee Green Power switches.
- Can be controlled using standard single-wire push switches; each channel can be operated independently.
- Compatible with multiple switch types, including momentary and toggle switches.
- Active power and energy metering functionality.
- Compact design, suitable for installation in a standard wall back box.
- Overload and overheat protection.

Safety Warnings

- **Turn Off Mains Power** before installing the device
- Do not expose the device to moisture or liquids
- Do not attempt to open the product to examine or repair
- Installation must be carried out by a qualified electrician
- Do not exceed the rated load specifications
- This product is designed for indoor use only

Overload Protection

When the device experiences an overload, the LED will flash slowly (every 0.5 s) and a notification is sent to the gateway every minute. The output will remain disabled until the alarm is cleared or the device is restarted.

Overheat Protection

If the power board temperature exceeds 95 °C, the output will shut down and a warning will be sent to the Zigbee gateway. Normal operation resumes automatically once the device is restarted and the temperature falls below 95 °C.

Pairing a Zigbee Remote via TouchLink

Step 1: Short press **K1** or **K2** four times to start TouchLink commissioning. The process has a **180-second** timeout; repeat if necessary.

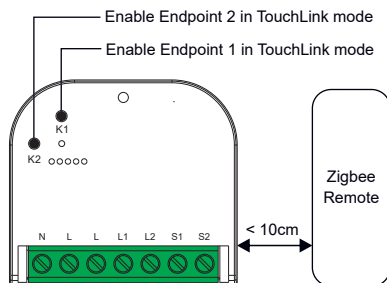
Step 2: Bring the remote or touch panel within **10 cm** of the lighting device.

Step 3: Set the remote or touch panel into TouchLink commissioning mode. Refer to the relevant remote or touch panel manual for instructions.

Step 4: The remote will indicate a successful link, and the connected light will flash **twice**.

Notes:

1. For direct TouchLink (neither device added to a Zigbee network), each device can link with one remote.
2. If TouchLink is performed after both devices are already added to a Zigbee network, each device can link with up to 30 remotes.
3. To control a device with both a gateway and a remote, add both the remote and device to the network first, then perform TouchLink.
4. After TouchLink, the device can be controlled by the linked remotes.



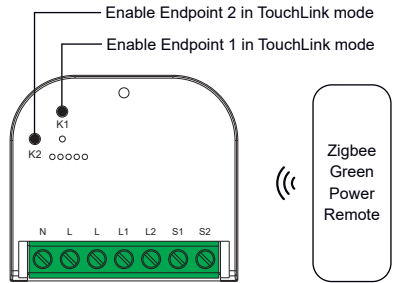
Pairing a Zigbee Green Power Remote

Step 1: Short press **K1** or **K2** four times to start pairing mode. Pairing mode remains active for **180 seconds**. If the timeout expires, repeat this step.

Step 2: Put the Zigbee Green Power remote into **pairing mode**. Refer to the remote's user manual for the procedure.

Step 3: The LED indicator flashes **twice** to confirm successful pairing. The remote can now control the device.

Note: Each device can be paired with up to **20** Zigbee Green Power remotes.

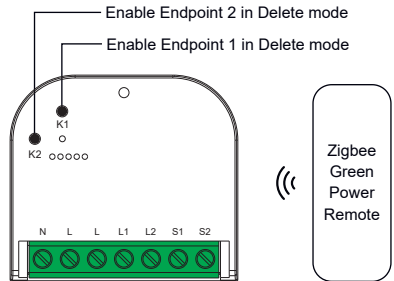


Removing a Zigbee Green Power Remote

Step 1: Short press **K1** or **K2** three times to start unpairing mode. Unpairing mode remains active for **180 seconds**. If the timeout expires, repeat this step.

Step 2: Put the paired Zigbee Green Power remote into **pairing mode**. Refer to the remote's user manual for the procedure.

Step 3: The LED indicator flashes **four times** to confirm successful removal.



Technical Support

Please visit our support site and knowledge base at: www.candeo.io/support

Here you will find answers to common questions, and contact us for further information.

Compliance Information

Hereby, Candeo Smart Ltd declares that the radio equipment type used in the following devices is in compliance with Directive 2014/53/EU and S.I.2017/1206: C-ZB-SM30-2G

The full text of the EU declaration of conformity is available at the following internet address: www.candeo.io/support

Hereby, Candeo Smart Ltd declares that the radio equipment type is in compliance with S.I.2017/1206. The full text of the UK declaration of conformity is available at the following internet address: www.candeo.io/support

Warranty Information

- **Coverage:** 2 years from purchase date
- **Includes:** Manufacturing defects and electronic failures
- **Excludes:** Installation damage, misuse, normal wear
- **Claim process:** Contact support with proof of purchase

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