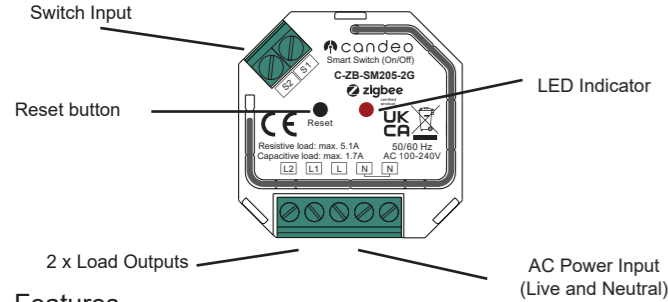


## Candeo 2-Gang Zigbee Switch Module - C-ZB-SM205-2G



### Features

- Zigbee 3.0 - In Wall 2-gang Smart Switch
- Compatible with Smartthings, Hubitat, Home Assistant, Hue plus others
- Compatible with Alexa and Google Assistant if your zigbee hub supports it
- 100-240VAC Wide Input and Output Voltage
- 2 channel output, max. load up to 5.1A / channel
- Works with toggle switches on 1-way and 2-way circuits
- Supports resistive and capacitive loads
- Shows in smart system as 2 switches
- Module can be paired directly to a Touchlink remote without a hub or bridge
- Supports Find and Bind mode for Zigbee remotes
- Supports zigbee green power feature and can bind with a maximum of 20 zigbee green power remotes
- Radio Frequency : 2.4GHz
- Waterproof grade: IP20

### Specifications

Input Voltage	100V-240VAC
Output Voltage	100V-240VAC
Output Current	Resistive load: max. 5.1A/channel Capacitive/Inductive load: max. 1.7A/channel
Dimensions	45.5mm x 45mm x 20mm

Please read all of the instructions prior to installation

### Safety Warnings

- Turn Off Mains Power before installing the device
- Do not expose the device to moisture
- Do not open the case of the switch

### Notes

- Requires Neutral wire
- Works with toggle switches in 1-way or 2-way systems.
- To be installed in wall switch boxes or elsewhere on the circuit

### Installation

1. Turn off the power.
  - i. To avoid electrical shock and/or equipment damage, disconnect electrical power at the main fuse or circuit breaker before installation and maintenance
  - ii. Be aware that even if the circuit breaker is off, some voltage may remain in the wires — before proceeding with the installation, be sure no voltage is present in the wiring.
  - iii. Take extra precautions to avoid accidentally turning the device on during installation.
2. Connect the device according to the diagrams shown below.

### Supported Loads

Supported Load Types		Maximum Load
	LED lamps with transformers	390W / channel @ 230V 180W / channel @ 110V
	LED drivers	390W / channel @ 230V 180W / channel @ 110V
	Incandescent lighting, Halogen lamps	1170W / channel @ 230V 560W / channel @ 110V
	Low voltage halogen lighting with electronic transformers	390W / channel @ 230V 180W / channel @ 110V

Over current protection: When using a resistive load, if the load exceeds 8.1A the switch module will be forced off.

### Setting up your smart home system

We recommend that you review our support site at [support.candeo.io](http://support.candeo.io) for information on how to install the latest drivers for your smart home system.

For full functionality we provide custom drivers for Smartthings, Hubitat, and zigbee2mqtt.

The device will work as intended with ZHA without additional drivers.

### Pairing to your zigbee hub/bridge

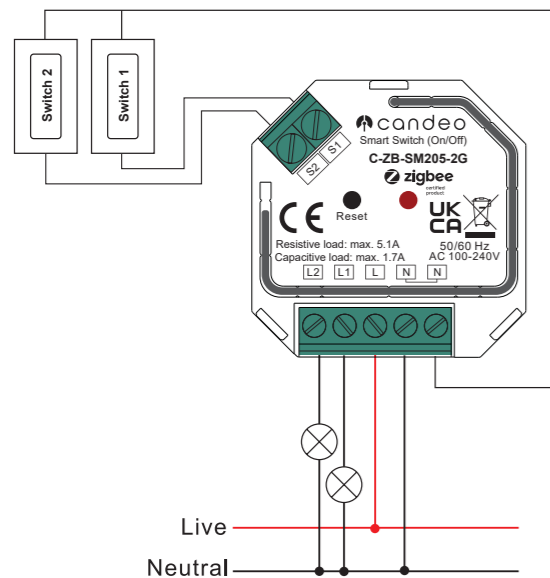
1. Factory Reset
  - i. After powering on the module for the first time, the lamp should blink. If it does not blink, you will need to factory reset the device.
  - ii. To do this, press the reset button 5 times. Or, if the module is not accessible, switch the power off and on 5 times.
  - iii. The lamp will blink 3 times to indicate a successful factory reset.
2. Add the module to your Zigbee hub or bridge
  - i. Please refer your smart hub app to add a device to the zigbee network.
  - ii. After scanning for a new device, you hub will identify the module, and the lamp will blink 5 times and then stay on to indicate successful pairing.
  - iii. If the hub does not successfully pair with the module, power the module off and power on, and try again within 15 seconds of powering on.

### Wiring - with optional toggle switch

In the diagrams below, the 2 switches are optional as the modules can be used with smart control only if desired.

The switches in the diagram are 1-way switches.

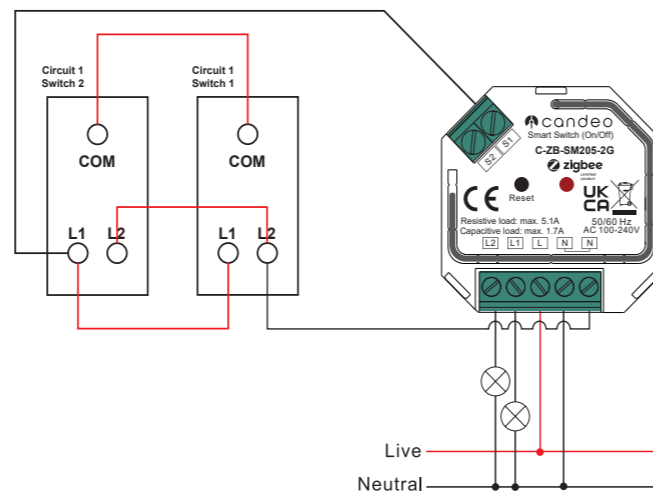
- L - terminal for Live wire
- N - terminal for Neutral wire
- L1 - terminal for output for circuit 1
- L2 - terminal for output for circuit 2
- S1 - terminal for switch control for circuit 1
- S2 - terminal for switch control for circuit 2



### Wiring - 2-way system with toggle switches

Please see the diagram below for a 2-way system.

The example shown is for only 1 circuit. Repeat the instructions for the 2nd circuit if needed.



### Advanced Zigbee options

1. Set up Touchlink - if you have a Touchlink capable remote
  - i. Press the reset button 4 times (or turn the power off/on 4 times) to start Touchlink commissioning.
  - ii. Bring the remote within 10cm of the module and set the remote into Touchlink commissioning mode. You will need to refer to the instructions that came with the remote to do this.
  - iii. The light will flash twice when Touchlink pairing has been successful.

Please Note

- i. When both devices (switch module and remote) are not included in a Zigbee network, each module can connect with up to 1 remote control.
- ii. When both devices are included in the same Zigbee network, each dimmer can connect with up to 30 remote controls.
- iii. To control within your smart ecosystem and Touchlink remote, first add the remote and the device to network, and then begin Touchlink pairing.

### 2. Find and Bind

- i. Make sure that both the module and the remote are already paired to the same zigbee network.
- ii. Press the reset button 3 times (or turn the power off/on 3 times) to start Find and Bind mode.
- iii. Bring the remote or touch panel within 10cm of the module.
- iv. Set the remote or touch panel to Find and Bind mode. You will need to refer to the instructions that came with the remote to do this.
- v. There will be an indication on the remote that Find and Bind mode has been successfully established.

### Trouble shooting and further support

Please ensure that you have followed all of the instructions precisely, and that you have installed the relevant device drivers / converters for your system.

The module will not pair with the hub

- i. Please ensure that your hub is in range, typically <30m indoors.
- ii. Please do a factory reset as outlined above, and try pairing again.
- iii. Please ensure that you have not exceeded the maximum amount of devices allowed for your hub.

I am only seeing one switch in my smart home system

- i. Please double check that you have installed the drivers for your smart system.
- ii. Remove the device from your smart system, and factory reset and pair again.

To remove the module from the zigbee network

- i. Remove the device from your Zigbee network by following the instructions in your smart app
- ii. Press the reset button 5 times
- iii. The connected lights will blink 3 times.

For any further support please visit [www.candeo.io](http://www.candeo.io)



Hereby, Candeo Smart Ltd declares that the radio equipment type is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: [www.candeo.io/support](http://www.candeo.io/support)  
 Hereby, Candeo Smart Ltd declares that the radio equipment type is in compliance with S.1.2017/1206. The full text of the UK declaration of conformity is available at the following internet address: [www.candeo.io/support](http://www.candeo.io/support)

support@candeo.io

compliance@24hour-ar.com

Candeo Smart Ltd  
 27 Old Gloucester Street  
 London  
 United Kingdom  
 WC1N 3AX

Instructions version: 2407



EU Authorised representative:  
 24hour Solutions B.V.  
 Van Nelleweg 1  
 3044 BC Rotterdam  
 The Netherlands