



Features

- 2-channel Zigbee AC phase cut dimmer with Zigbee 3.0, for adding smart control to 2 independent circuits.
- No neutral required
- Supports resistive loads and capacitive loads
- Trailing edge control
- Independent min and max control for each circuit.



Specifications

Input Voltage	220V-240V ~ 50Hz
Power Load (for each channel)	Dimmable LED 5W*-100W Halogen 5W*-100W Incandescent 5W*-100W *Minimum = 5W; Recommend Minimum = 10W for improved performance.
Minimum Load per lamp	5W
Dimmer Mode	Trailing Edge
Control Method	Smart control per channel 1-way switching per channel with retractive switch
Dimensions	57mm * 50mm * 24mm
Protection	Over-temperature, Over-current protection
Operating Temperature	-10 C ~ +40 C
Frequency	2.4GHz
Range	2412MHz - 2472MHz
Max RF Power	13.47 dBm
Certifications	UKCA, CE, RoHS

Safety Warnings and Notes

- Turn Off Mains Power before installing the device
- 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 only using this dimmer within the suggested load, and with high quality dimmable bulbs.
- Please ensure that your bulbs or lamps are minimum 5W and the total load of each circuit is minimum 10W. Results may vary with low quality bulbs or lamps, and with a low power load you may need to fit a bypass on the first lamp in the circuit to remove flickering or glowing when off.



Do not dispose of with household waste



Do not attempt to open the product to examine or repair.



Do not expose the product to moisture or liquids

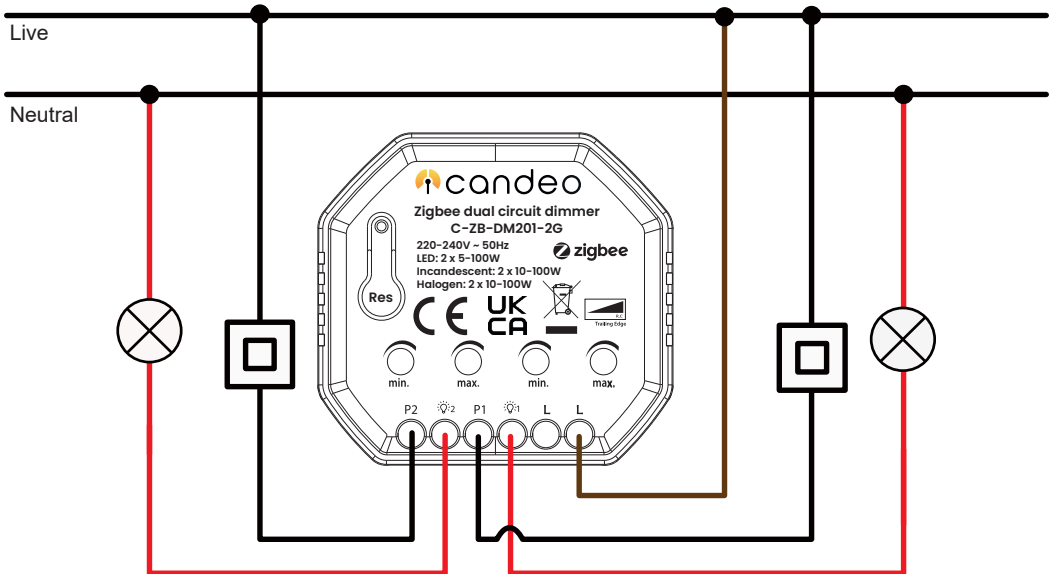


This product is designed for indoor use only.

Please read all of the instructions prior to installation

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.
2. Connect the device according to the diagram shown below:



Caution: If in any doubt about how to install the module, please consult a qualified electrician.

Notes:

- The switches shown in the diagram are optional. To use physical switches with this module, the switches must be retractive switches. (Do not use rotary dimmer switches).
- Do not connect more than one dimmer module in parallel to operate the same light from two locations.
- It is not possible to wire a Neutral wire to this module.

3. After successfully wiring the switch, turn the power back on.

Dimming Settings: Minimum and Maximum Brightness

1. Use a small screwdriver to turn the minimum and maximum dials to your desired level.

Zigbee Reset and Pairing

1. Factory Reset the module:

- i. Press and hold the “Reset” button for 10 seconds.
- ii. Once reset successfully, the LED will glow red for 5 seconds to indicate that the reset has been successful.

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

2. Pairing the module to your zigbee network:

- i. From your smart home controller app, choose to add a new zigbee device and enter Pairing Mode as instructed by the app or system’s documentation, or scan for a new device.
- ii. Double press the “Reset” button on the module to start pairing mode.
- iii. The LED indicator will blink blue to indicate that the module is in pairing mode. Pairing mode lasts for 10 minutes before timing out. If pairing is unsuccessful during this time, repeat the process.
- iv. When successfully paired the LED will stop blinking, and then stay on for 5 seconds. The module can now be controlled through your controller or hub interface, with 2 independent lighting circuits.

Advanced Zigbee Configuration

1. TouchLink to a Zigbee Remote (channel #1 only)

- i. Factory reset the dimming module as per instructions above, and factory reset the remote.
- ii. Turn on the light, press the “Reset” button 4 times.
- iii. The indicator will blink green to show that the device is in TouchLink commissioning mode.
- iv. Bring the remote or touch panel within 10cm of the switch.
- v. Set the remote or touch panel into TouchLink commissioning mode, by following the instructions in the corresponding remote or touch panel manual.
- vi. Once connected, the light will blink and then stay on, and you can control your lights remotely.

Notes:

- Using directly via Touchlink (with neither device added to a Zigbee network), each device can link with 1 remote.
- Using Touchlink when both devices are added to a Zigbee network, each device can link with max. 30 remotes.
- After Touchlink pairing, the device can be controlled by the linked remotes.

2. Find and Bind Mode

- i. Make sure that the dimming module and the remote are already paired to your zigbee network.
- ii. Turn on the light #2, press the “Reset” button 5 times.
- iii. The indicator will blink yellow to show that the device is in Find and Bind commissioning mode. This times out after 3 minutes, after which repeat this step if necessary.
- iv. Set the remote or touch panel (target node) into Find and Bind pairing mode. Please refer to the corresponding remote or touch panel manual.
- v. There should now be an indication on the remote or touch panel that it has binded to the device successfully and you can now control it the module from your remote.

Troubleshooting

If your lights will not turn off completely, or they are flickering at low levels:

- Diagnosing this issue can be complicated and often dependent on many variables that are unique to the wiring in your house.
- However, the most common cause is due to either the total load of the lights being too low, or the wattage of one particular bulb being too low. Please ensure that each lamp is minimum 5W although 10W+ will give better results. Please also ensure that the total load of the circuit is minimum 10W.
- If the problem persists, please try increasing the minimum brightness setting of the switch by following the steps above.
- If increasing the minimum brightness did not solve the problem, we suggest either increasing the load on the circuit by using higher power lamps, or by fitting an LED bypass over the first lamp in the circuit.

Hereby, Candeo Smart Ltd declares that the radio equipment type used in the following devices is in compliance with Directive 2014/53/EU:
C-ZB-DM201-2G

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

support@candeo.io

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

Instructions version: 2505



compliance@24hour-ar.com

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