



This dimmer is a Wifi 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, as detailed in the Minimum Brightness Setting section.

Please read all of the instructions.



C302-WF

Specifications

Input Voltage	220V-240V ~ 50Hz
Power Load	RL (Leading Edge): 10-100VA LED RC (Trailing Edge): 10-200VA LED 10-200W Halogen
Minimum Load per lamp	5W
Dimmer Mode	Trailing Edge, Leading Edge
Control Method	Smart control / multi-way switching



Do not dispose of with household waste



Do not expose the product to moisture or liquids



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



This product is designed for indoor use only.

Features

- Wifi AC phase cut dimmer for use with Tuya Smart Ecosystem (Smart Life app)
- 220V-240V AC Input and Output Voltage
- Supports resistive loads and capacitive loads
- Trailing Edge and Leading Edge modes
- Enables ON/OFF control and dimming of connected dimmable led lights or led drivers
- No neutral required
- Minimum brightness configurable
- Soft Start
- Noiseless dimming
- Waterproof grade: IP20

Safety Warnings and notes

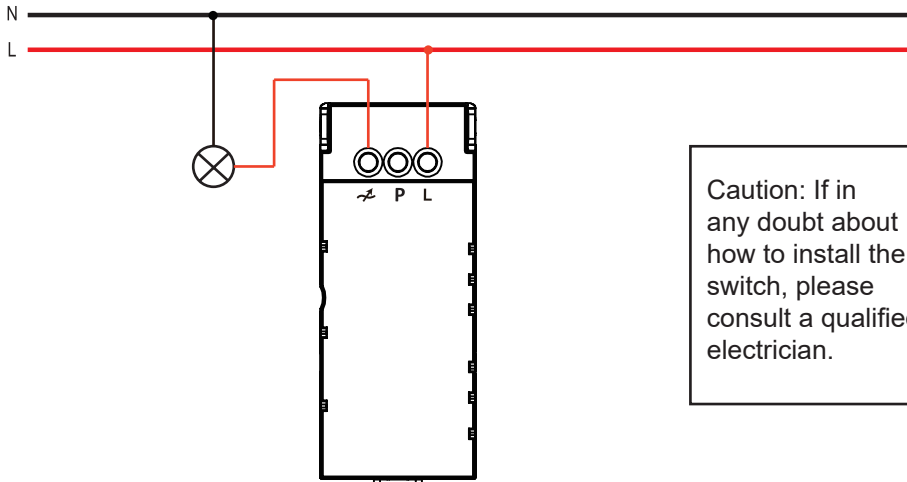
- Turn Off Mains Power before installing the device
- Certain light sources may not behave according to the power rating when used with a dimmer. An overload will result in the safety features switching the dimmer off. We recommend only using this dimmer within the suggested load, and with high quality dimmable bulbs.
- Please ensure that your bulbs or lamps are minimum 5W and the total load 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.

Please read all of the instructions prior to installation

Installation

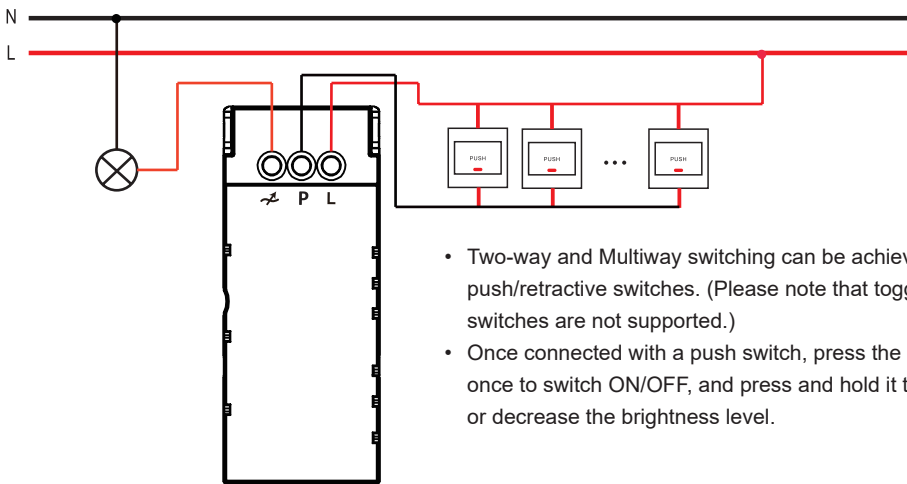
1. Turn off the power.
 - i. To avoid electrical shock and/or equipment damage, disconnect electrical power at the main fuse or circuit breaker before installation and maintenance.
 - ii. Be aware that even if the circuit breaker is off, some voltage may remain in the wires — before proceeding with the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

One-way system



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

Two-way / multiway system



- Two-way and Multiway switching can be achieved using push/retractive switches. (Please note that toggle (on/off) switches are not supported.)
- Once connected with a push switch, press the switch once to switch ON/OFF, and press and hold it to increase or decrease the brightness level.

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

Factory Reset

1. To factory reset the switch press and hold the knob for 10 seconds.
2. The light will blink twice to confirm a successful reset.

Pairing to Smart Life - Method 1 (default)

1. Prepare your smart phone
 - i. Install the Smart Life from your app store, and create an account if you do not already have one.
 - ii. Ensure that you have bluetooth enabled on your smart phone.
2. Factory reset the switch as detailed above.
3. Open the Smart Life app and choose to add a new device with the (+) icon.
4. Allow the app to scan for new devices.
5. Once the new device has been discovered, select “Add”, and the (+) to add the Wifi dimmer to your devices.
6. Rename the device as you wish, and you can now control the switch via the Smart Life app.

If connection fails using the above method, please turn off bluetooth on your phone, and follow the steps below.

Pairing to Smart Life - Method 2 (AP mode)

1. Factory reset the switch as detailed above.
2. Open the Smart Life app and choose to add a new device with the (+) icon.
3. From the left hand device options, select “Lighting” and then choose “Light Source (Wi-fi)”
4. Follow the steps in the Smart Life app, indicating that the light is blinking slowly or breathing.
5. Smart Life will find the switch, and allow you to add it to your devices.
6. Rename the device as you wish, and you can now control the switch via the Smart Life app.

Voice control with Alexa and Google Assistant

1. To allow control with Alexa you need to enable the “Smart Life” skill in the Alexa app.
2. To allow control with Google Assistant you need to set up the “Smart Life” connection in the Google Home app.

Setting the Minimum Brightness

1. Open the Smart Life app and select the device.
2. Turn on the light, and select the settings icon.
3. Ensure that the brightness range settings are unlocked by touching the padlock icon.
4. You can now configure the minimum brightness level for the switch.
5. Save the setting when you are ready.

Change the dimming mode

It is possible to change the dimming mode from Trailing Edge to Leading Edge (and vice versa). The default dimming mode is Trailing Edge and is suitable for most modern lighting applications. Should you need to change the dimming mode, please follow these steps:

1. To switch to Leading Edge:
 - i. Turn the light on and press the knob 5 times, with a long press on the 5th time.
 - ii. The light will blink 5 times to indicate Trailing Edge mode.
2. To switch to Trailing Edge:
 - i. Turn the light on and press the knob 4 times, with a long press on the 4th time.
 - ii. The light will blink 3 times to indicate Trailing Edge mode.

Troubleshooting

If your lights will not turn completely off, 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 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.



For further support please go to www.candeo.io

Instructions version: 2209.2