



## EcoDim Smart LED dimmer Zigbee 250W User Manual

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## Eco-Dim.10 Zigbee

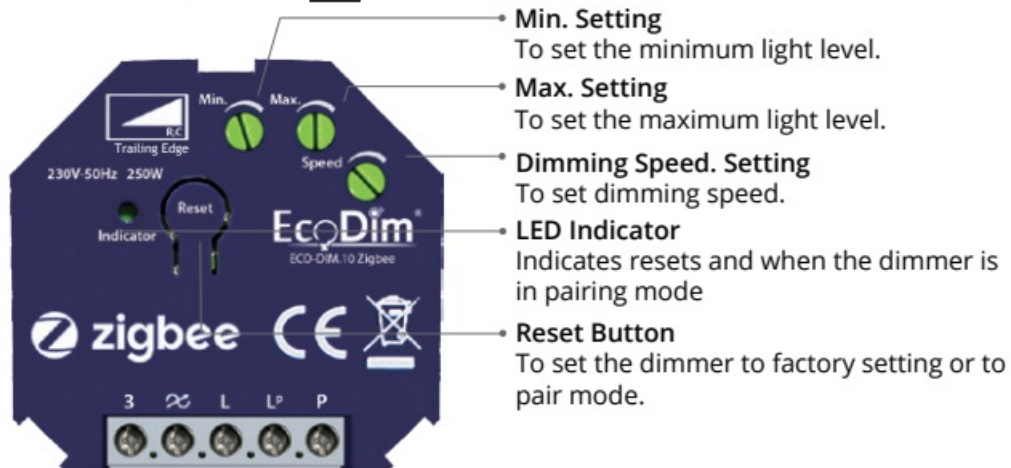
**Please Read this manual Carefully before installation.**

### Important!

- It is dangerous if people without proper training work on an electrical installation!
- There may be a dangerous voltage at the output of the dimmer!
- When working on the wiring always switch off the mains voltage. Failure to observe this warning may result in death or serious injury!
- Read the instructions carefully. Incorrect installation may damage the dimmer beyond repair.

### Smart Dimmer Module 250W LED

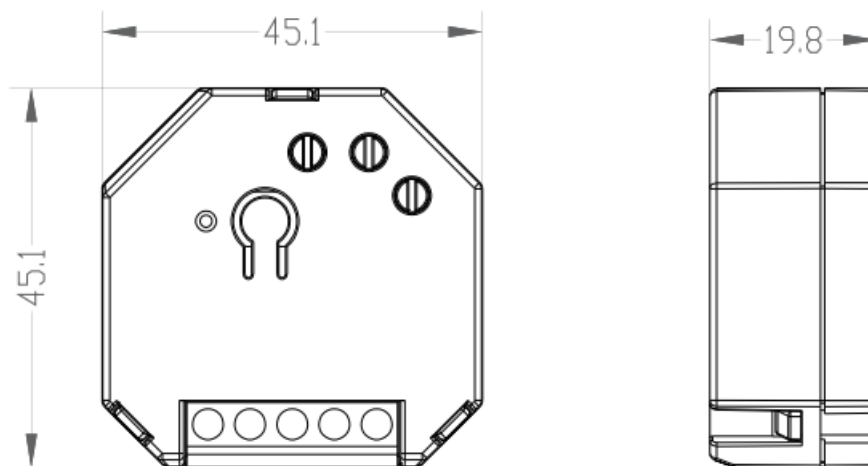
Item NO. Eco-Dim.10 Zigbee



- Zigbee support
- Suitable for several home automation apps
- Voice support (Amazon Alexa & Google Assistant / Homey)
- Works with push-button (momentary switch)
- Optimal dimmable & light stability
- Suitable for 250W LED
- Saves and restores the last status after a power failure
- MIN and MAX light adjustment and dimming speed
- Suitable for 90% of all LEDs
- Does not require a neutral wire, 3 wired connection available
- Soft start system
- Noiseless dimming

## 1. Specifications

Input voltage	230 Vac, 50Hz
Power (load)	250W LED
	250W Halogen light bulbs
Suitable for	Led-, halogen-, incandescent bulbs
Type dimmer	R,C Phase cut
Working temperature	40 °C
Operation	Push Dimming by Momentary Switch
Dimensions	45.1*45.1*19.8mm
Weight	35.4g



## 2. Installation

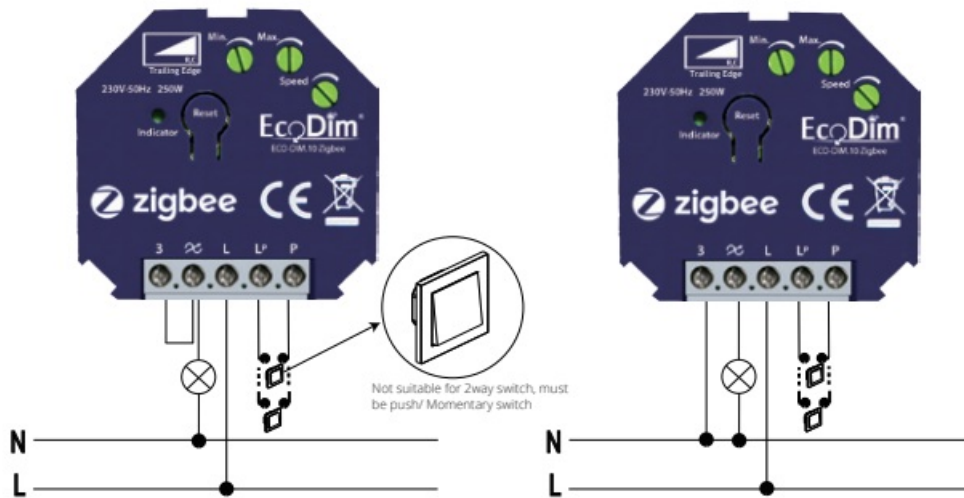
### 1. Turn off the power

To prevent electrical shock and/or equipment damage, disconnect electrical power at the main fuse or circuit breaker before installation and maintenance. 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. Take

extra precautions to avoid accidentally turning the device on during installation.

## 2. Connect the device exactly according to the diagrams shown below

The dimmer is available for 2 and 3 wired connection. Please note in case of a 2 wired connection port 3 and Load must be connected to make stable dimming possible.



## 3. Turn the power back

### 3. Min./Max./Dimming Speed adjustment

For the SMART dimmer to work optimally or suitable for your preference, you can adjust the brightness at the Min. and Max. level and also the dimming speed with the MIN./MAX./Dimming Speed adjustment.

- MIN adjustment: Switch on the lights, insert a screwdriver in MIN and turn to the left. When the light becomes unsteady, turn slightly back to the right so that the light remains steady.
- MAX adjustment: Switch on the lights, insert a screwdriver in MAX and turn to the right. When the light becomes unsteady, turn slightly back to the left so that the light remains steady.
- Dimming Speed adjustment: Insert a screwdriver in Speed, clockwise to increase the dimming speed when you push the momentary switch, vice versa.

## 4. Zigbee Setting

### 1. Factory Reset



#### Please Note:

This procedure should only be used when the primary controller is inoperable.

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

### 2. Inclusion to a Zigbee Network

**Step 1.** Remove the device from the previous Zigbee network in case it has been added to, otherwise pairing

mode will fail.

**Step 3.** The indicator will start blinking blue and stay solid for 10s when pairing succeeded. Timeout 15mins.



**Step 2.** Double Press the reset button.

### 3. Remove from a Zigbee Network

Method 1. Choose delete or reset as instructed from your Z-Wave hub interface

Method 2. Remove from the Device, see below instructions.

**Step 2.** The indicator will start blinking purple and stay solid for 10s when the removal is done. Time out 3 mins.



**Step 1.** Press the reset button for 3 times.

### 4. TouchLink

**Step 2.** The indicator will start blinking green and stay solid for 10s when pairing is succeeded. Time out 15mins.

**Step 3.** Bring the remote within 10cm of the smart dimmer and set the remote into TouchLink commissioning.



**Step 1.** Press the reset button for 4 times.

**Step 4.** The light will blink 10 times when Touchlink succeeded.



#### Note:

- a. When both devices (dimmer and remote) are not included in a Zigbee Network, each dimmer can link with max. one remote.
- b. When both devices are included in the same Zigbee network, each dimmer can link with max 30 remotes.
- c. For Philips Hue Hubs and Amazon Echo Plus, add remote and device to network first then touchlink.

### 5. Find and Bind

**Note:** Make sure the device and remote already added to the same Zigbee network

**Step 1.** Press the reset button for 5 times.

**Step 3.** Set the remote into find and bind mode and enable it to find and bind commissioning. Please refer to the manual for instructions.



**Step 2.** The indicator will start blinking yellow and stay solid for 10s.

**Step 4.** There shall be an indication on the remote that it binds the device successfully and can control it.

## Index- Zigbee Clusters the device supports

### 1. Input Cluster

- 0x0000: Basic
- 0x0003: Identify
- 0x0004: Groups
- 0x0005: Scenes
- 0x0006: On/off
- 0x0008: Level Control
- 0x0b05: Diagnostics

### 2. Output Cluster

- 0x0019: OTA

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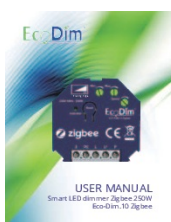


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## Documents / Resources



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