

Item Description:  
EasyDimmer Zigbee DIN Rail

**⚠ ⚠ DANGER**

HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH

- Turn off all power supplying this equipment
  - Use a voltage tester of appropriate rating.
- Failure to follow these instructions will result in death or serious injury.

**⚠ WARNING**

HAZARD OF FIRE

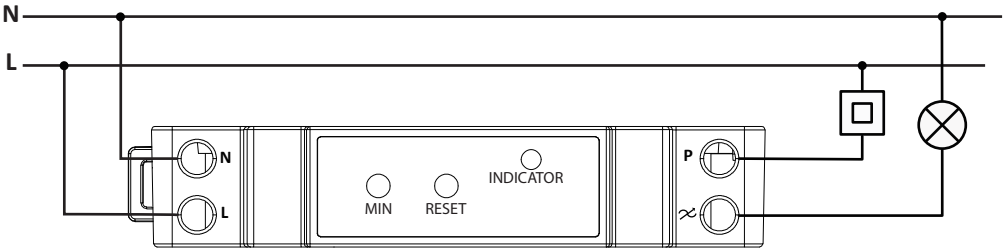
Failure to follow these instructions can result in death, serious injury, or equipment damage.

**SPECS**

Rated input voltage:	220-240Vac, 50Hz
Power range:	5-250W @ 220-240V LED
	5-250W @ 220-240V INC, HAL
Type of load:	LED Retrofit I Incandescent-halogen
Dimming:	Manual Control / APP Control / Voice Control
Ambient temperature (Ta):	-10 C ~ +40 C
Dimension:	93.96*62.01*17.8mm
Protection:	Overheat, Overload, Short-Circuit
Item weight:	70.6g

**WIRING**

1. To prevent electrical shock and/or equipment damage, disconnect electrical power at the main fuse or circuit breaker before installation and maintenance.
2. Connect the device exactly according to the diagrams shown below, install the dimmer on DIN RAIL
3. Turn on the power



Please Note

1. Plastic made electricity box is recommended to reduce the signal interference from metal.
2. The installation of the dimmer on a mains current of 230V should be performed by a qualified professional, when working, make sure the power is switched off.

## SAFETY INSTRUCTION

Reduction of the connected load:

- The dimmer heats up during operation because part of the connected load is lost and converted into heat.
- The connected load must always be reduced when several dimmers are installed one close the other or when other heat sources cause additional heating. In intensely heated-up rooms, the maximum connected load must be reduced.
- In case of overheating, e.g., due to an overload, the dimmer switches off automatically. After cooldown, the device must be switched on again manually.

Reduction of the connected load with LED:

When determining the connected load of the dimmer, the power factor of the connected LED must be taken into account.

Nominal power = number of LEDs \* nominal power of LEDs / power factor

The heating of the dimmer is essentially determined by the construction of the connected LED. LEDs with a low power factor heat the dimmer more strongly so that the connected load might have to be reduced.

Correction of faults

- The lighting flickers:
  - Adjust the minimum brightness
  - Switch over the trimmer (leading edge control / trailing edge control)
- The dimmer does not switch on again after deactivation:
  - Increase the minimum brightness

Reset behavior

The dimmer stores the current brightness value and the operating mode in the event of a mains failure or when switching of the mains voltage. The dimmer calls up the stored settings back up after the mains voltage has been switched on again.

## FEATURES

- Remote (via smartphone or PC) and local on/off control of ALL dimmable bulbs
- Works with push-button (momentary switch) or toggle switches
- Saves and restores the last status after a power failure.
- Supports TouchLink, Find and Bind
- Support Voice control
- Compatible with standard Zigbee Gateway
- ZigBee Clusters the device supports are as follows:

1) Input Cluster

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

2) Output Cluster

- 0x0019: OTA

## OPERATION

### 1 Min./Max. brightness adjustment

For the SMART dimmer to work optimally or suitable for your preference, you can adjust the brightness at the Min. with the MIN. adjustment. The max. brightness will self-adjust by MCU.

Switch on the lights. When the lights are on, push the MIN button and hold till the light turn to the desire min. level, push the MIN button again to save the change.

### 2. Include the device to the Zigbee Network

**Step 1:** Remove the device from previous zigbee network if it has already been added to, otherwise pairing will fail. Please refer to the part "Factory Reset Manually".

**Step 2:** From your ZigBee Controller or hub interface, choose to add lighting device and enter Pairing mode as instructed by the controller.

**Step 3:** Double Press the reset button.

**Step 4:** The indicator will start blinking blue and stay solid for 10s when pairing succeed, timeout 15mins. The indicator will start blinking blue and stay solid for 10s when pairing succeed, timeout 15mins

### 3. Exclude the device from the Zigbee Network

Method 1. From your Zigbee hub interface, choose to delete or reset the device as instructed.

Method 2. Remove from the Device

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

**Step 2:** The indicator will start blinking purple and stay solid for 10s when remove done, timeout 3mins.

### 4. Factory Reset

Press the reset button for 5s. When the Indicator stay in Red for 10s, reset finished.

#### Please Note:

A. This procedure should only be used when the primary controller is inoperable or otherwise missing.

B Reset Dimmer controller to factory default settings will sets the Dimmer to not in Zigbee network state, delete all the setting to the default.

### 5. TouchLink to remote controller

**Step 1:** Press the reset button for 4 times. The indicator will start blinking green and stay solid for 10s when pairing succeed, timeout 15mins.

**Step 2:** Bring the remote within 10cm of the smart dimmer and set the remote into TouchLink commissioning. The Light will blinking 10 times when TouchLink Succeed.

#### **Note:**

a. When both devices (Dimmer and remote) not included in the Zigbee Network, each dimmer can link with one remote max.

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.

### 6. Find and Bind

**Step 1:** Make sure the device and remote already added to the same Zigbee network

**Step 2:** Press the reset button for 5 times. The indicator will start blinking yellow and stay solid for 10s.

**Step 3:** Set the remote into find and bind mode and enable it to find and bind commissioning. Please refer to the manufacturers instructions of how. There shall be an indication on the remote that it binds the device successfully and can control it.