

EcoDim Smart Dimmer Switch 200W LED Eco-Dim.07 Zigbee Basic User Manual

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LED Indicator

Indicates resets and when the dimmer is in pairing mode



MIN settings

To set the minimum light level.

Reset button

To set the dimmer to factory settings or to pair mode.

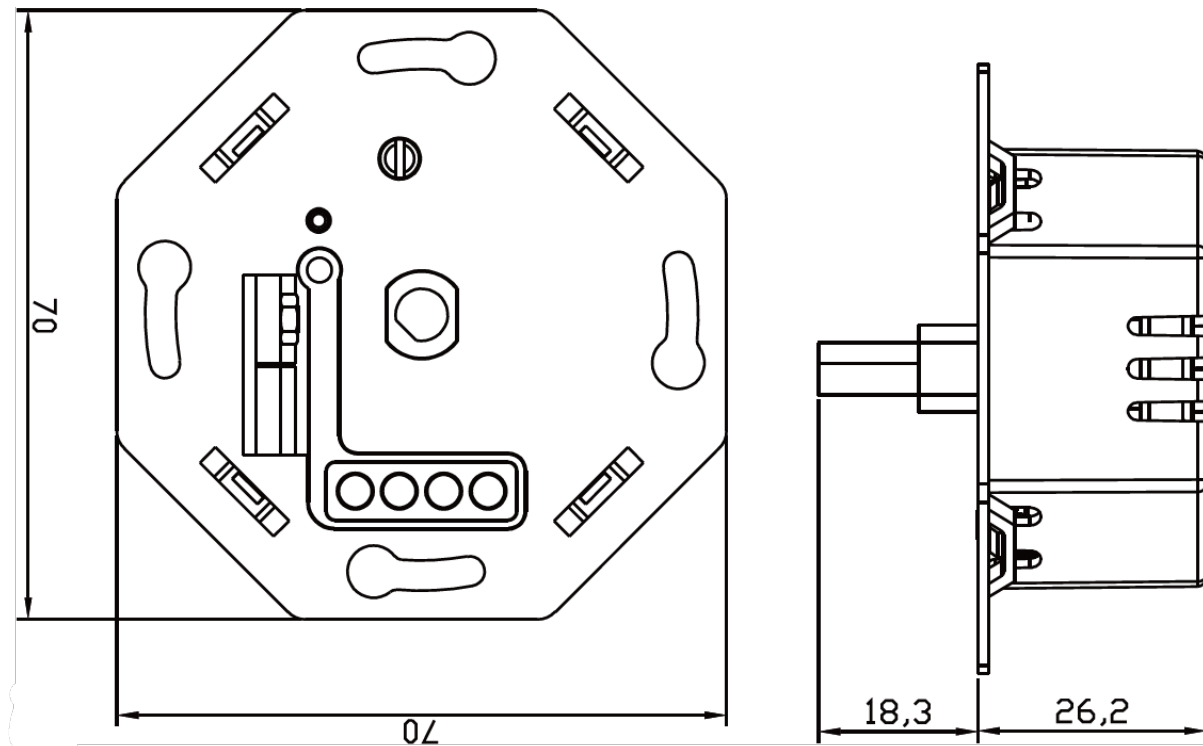
- ✓ Zigbee support
- ✓ Voice support (Amazon Alexa & Google Assistant / Home)
- ✓ Suitable for several home automation apps
- ✓ Push / turn button
- ✓ Suitable for 0-200W LED
- ✓ Suitable for all well-known brands of cover frames
- ✓ Optimal dimmable & light stability
- ✓ MIN light adjustment options
- ✓ Suitable for 90% of all LEDs
- ✓ Installation with provided 2 wires (no neutral wire required)
- ✓ Soft start system
- ✓ Noiseless dimming
- ✓ Suitable for surface-mounted boxes & flush-mounted boxes with screw holes

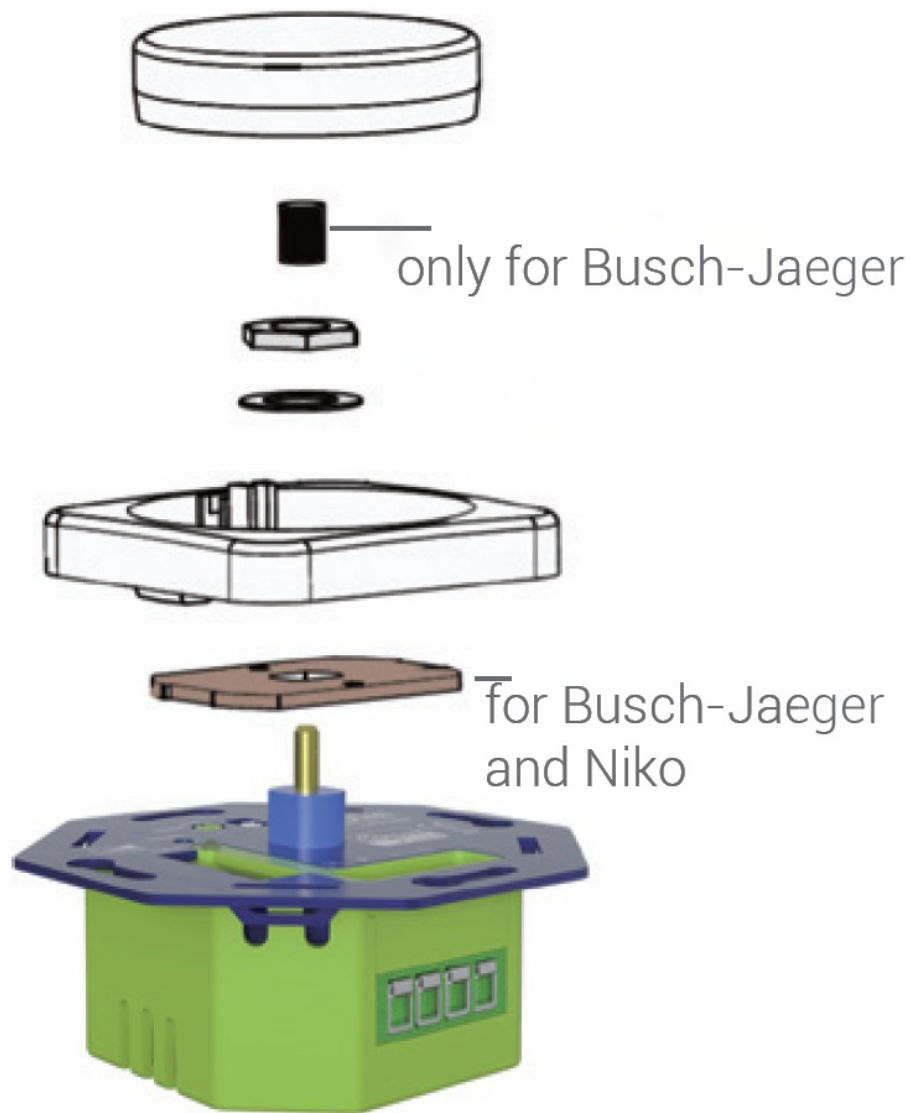
Specifications

- **Input Voltage** – 220-240 Vac, 50Hz
- **Power (Load)** – 0-200W LED (10-300W Halogen light bulbs)
- **Suitable For** – Led-, halogen-, light bulbs
- **Type Dimmer** – R,C Phase cut
- **Working Temperature** – 35°C
- **Operation** – Push / Turn Button
- **Dimensions** – 70*70*26.2mm
- **Weight** – 50.3g

Suitable brands of cover material:

- ✓ Berker by Hager
- ✓ Busch-Jaeger
- ✓ Gira
- ✓ JUNG
- ✓ Kopp
- ✓ Merten by Schneider
- ✓ Niko
- ✓ PEHA

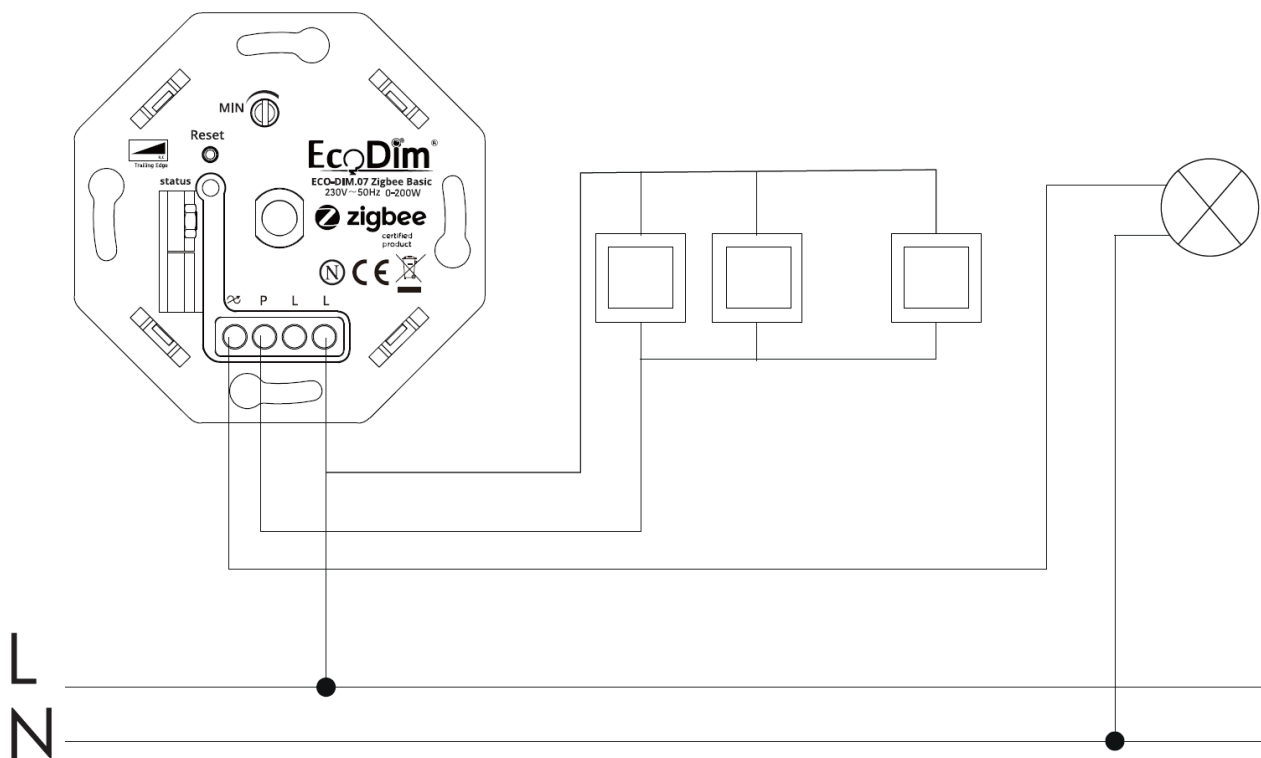




Installation

- **Step 1:** Remove the knob and the cover plate.
- **Step 2:** Always make sure that the electricity is switched off during installation. Then connect the wires as indicated in the 'Connection diagram'.
- **Step 3:** Now install the dimmer in the mounting box by using the screws.
- **Step 4:** Switch the electricity back on. Switch on the connected lights by pressing the dimmer shaft. Now adjust the 'MIN adjustment, as described under 'Min installation'
- **Step 5:** Optionally you may connect the dimmer to your SMART home system as indicated under the heading "Connecting home automation / apps".
- **Step 6:** Place back the cover plate and dimmer knob.

Connection Diagram



MIN Adjustment

For the SMART dimmer to work optimally, you can adjust the lights to the dimmer with the MIN adjustment. As soon as you start turning MIN adjustment, the dimmer will automatically go to the minimum light range.

MIN adjustment: Switch on the lights with the push / turn button. When the lights are on, 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.

Connecting Home Automation/App

- **Step 1:** Switch on the dimmer (lights are on). The dimmer is already in “pairing mode”. You can also do this by pressing the reset button on the dimmer twice.
- **Step 2:** Make sure that the pairing mode of your controller is on during the previous step.
You will find this in the manual of your controller.
- **Step 3:** The dimmer will be visible in your app and the previously set MIN position will be stored there.
Other manuals concerning the connection of the EcoDim smart dimmer with various known controllers can be found on this page: Enter www.ecodim.nl/downloads-smart-dimmer.

Settings

Factory Reset

Press and hold the reset button for at least 5 seconds. The indicator will stay solid red for 10s. when the reset is finished. Please note that all configuration parameters will be reset after the device is reset or removed from the network.

Pairing Mode

1. Remove the device from a previous Zigbee network. If it has already been added to one, otherwise pairing will fail.

2. Press reset button twice. The indicator start blinking blue and stay solid for 10s when Succeeds.

Remove

There are two methods to remove the device from the Zigbee Network.

- **Method 1:** From your Zigbee hub interface, choose to delete or reset the device as instructed.
- **Method 2:** Press the reset button for 3 times, the indicator starts blinking purple and will stay solid for 10s when removing the dimmer from the network is finished. Timeout 3mins.

TouchLink

Reset the dimmer if it is included in a Zigbee network.

1. Press the reset button for 4 times, the indicator will starts blinking green and will stay solid for 10s.
2. Bring the remote controller within 10cm of the smart dimmer and set the remote controller into TouchLink commissioning.

Please note: If the device is not included in a Zigbee network, it can be connected to a maximum of 1 device via Touchlink.

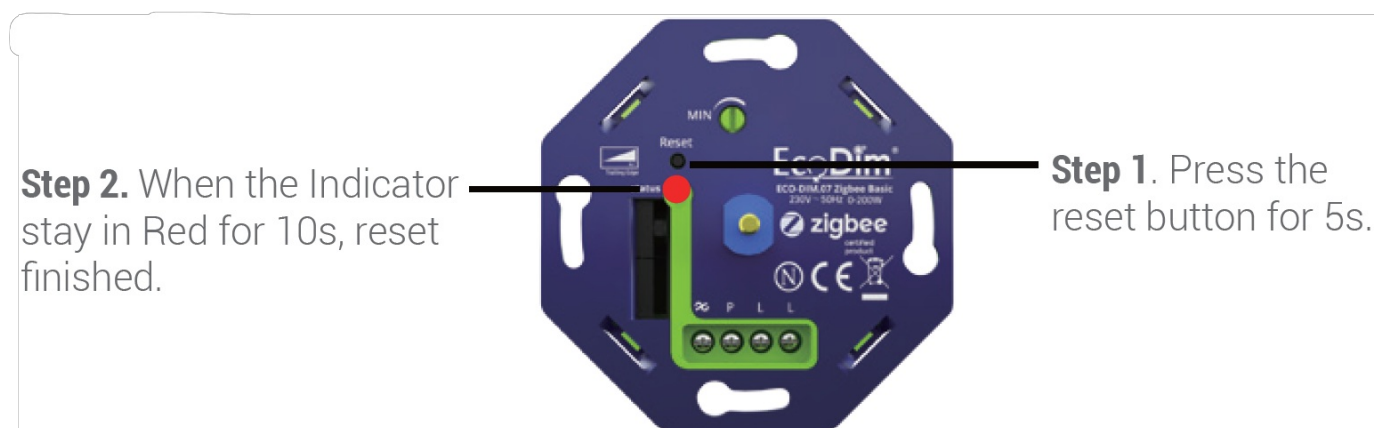
Find and Bind

Please make sure the device and remote already added to the same Zigbee Network.

1. Press the reset button for 5 times, the indicator will start blinking yellow and stay solid for 10s.
2. Set the remote controller into find and bind mode and enable it. Refer to corresponding remote.

Settings Manual (Eco-Dim.07 Zigbee)

Factory Reset



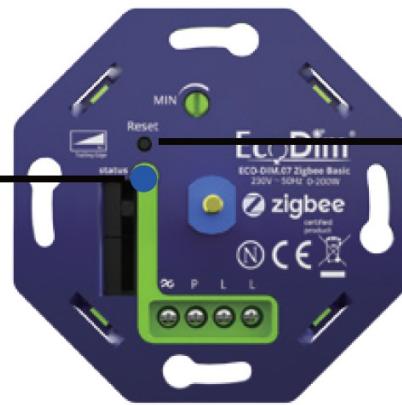
Please Note: All configuration will be reset after the device is reset or remove from the network.

Include to a Zigbee Network

Step 1: Remove the device from a previous Zigbee network if it has already been added to one, otherwise pairing

mode will fail.

Step 3. The indicator starts blinking blue and stays solid for 10s when pairing mode succeeds. Timeout 15s.

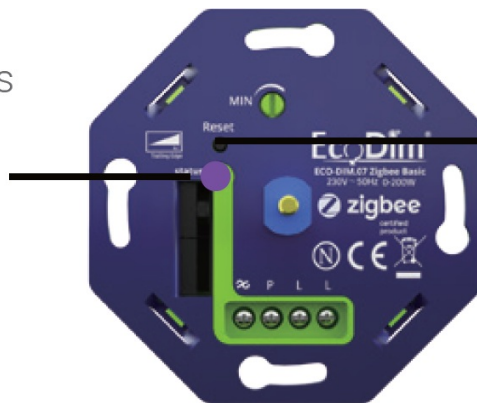


Step 2. Double Press the reset button.

Remove

- **Method 1:** From your Zigbee hub interface, choose to delete or reset the device as instructed.
- **Method 2:** Remove from the Device, see below instructions.

Step 2. The indicator starts blinking purple and stays solid for 10s when removing is finished. Timeout 15s.

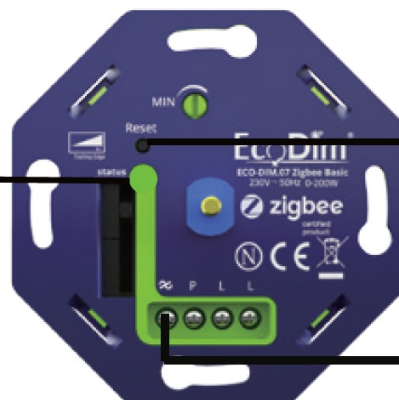


Step 1. Press the reset button for 3 times.

TouchLink

Step 3. The indicator starts blinking green and stays solid for 10s when pairing succeeds. Timeout 15mins.

Step 4. Bring the remote within 10cm of the smart dimmer and set the remote into TouchLink commissioning.



Step 2. Press the reset button for 4 times.

Step 5. The light will blink 10 times when TouchLink succeeds.



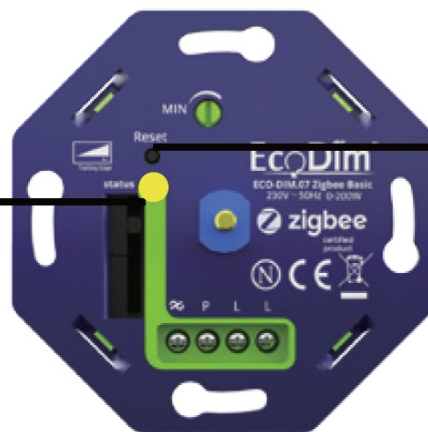
Note:

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

Find and Bind

Step 1. Make sure the device and remote are added to the same Zigbee network.

Step 3. The indicator starts blinking yellow and will stay solid for 10s.



Step 2. Press the reset button for 5 times.

Step 4. Make sure the device and remote are added to the same Zigbee network. Please refer to the manufacturers instructions on how to set the remote in find and bind mode.

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

3. Zigbee codes / Commands

The full list of Z-Wave and Zigbee commands can be found on our website, www.ecodim.nl/downloads-smart-dimmer.




www.ecodim.nl

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Documents / Resources

	<p>EcoDim Smart Dimmer Switch 200W LED Eco-Dim.07 Zigbee Basic [pdf] User Manual Smart Dimmer Switch 200W LED Eco-Dim.07 Zigbee Basic</p>
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References

-  [Downloads smart dimmer -](#)