

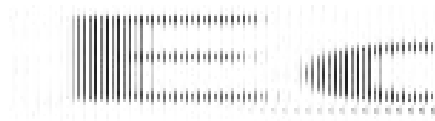


# EcoDim Eco-Dim.07 Zigbee Pro Smart Dimmer Switch User Manual

[Home](#) » [EcoDim](#) » EcoDim Eco-Dim.07 Zigbee Pro Smart Dimmer Switch User Manual 

## Contents

- [1 EcoDim Eco-Dim.07 Zigbee Pro Smart Dimmer Switch](#)
- [2 OVERVIEW](#)
- [3 Specifications](#)
- [4 Installation](#)
- [5 Connection diagram](#)
- [6 MIN/MAX adjustment](#)
- [7 Connecting home automation/app](#)
- [8 Settings](#)
- [9 Settings Manual \( Eco-Dim.07 Zigbee\)](#)
- [10 Index- Zigbee Clusters the device supports](#)
- [11 Documents / Resources](#)
  - [11.1 References](#)
- [12 Related Posts](#)



**EcoDim Eco-Dim.07 Zigbee Pro Smart Dimmer Switch**



## OVERVIEW

### LED Indicator

Indicates resets and when the dimmer is in pairing mode

### MIN settings

To set the minimum light level.



### MAX settings

To set the maximum light level.

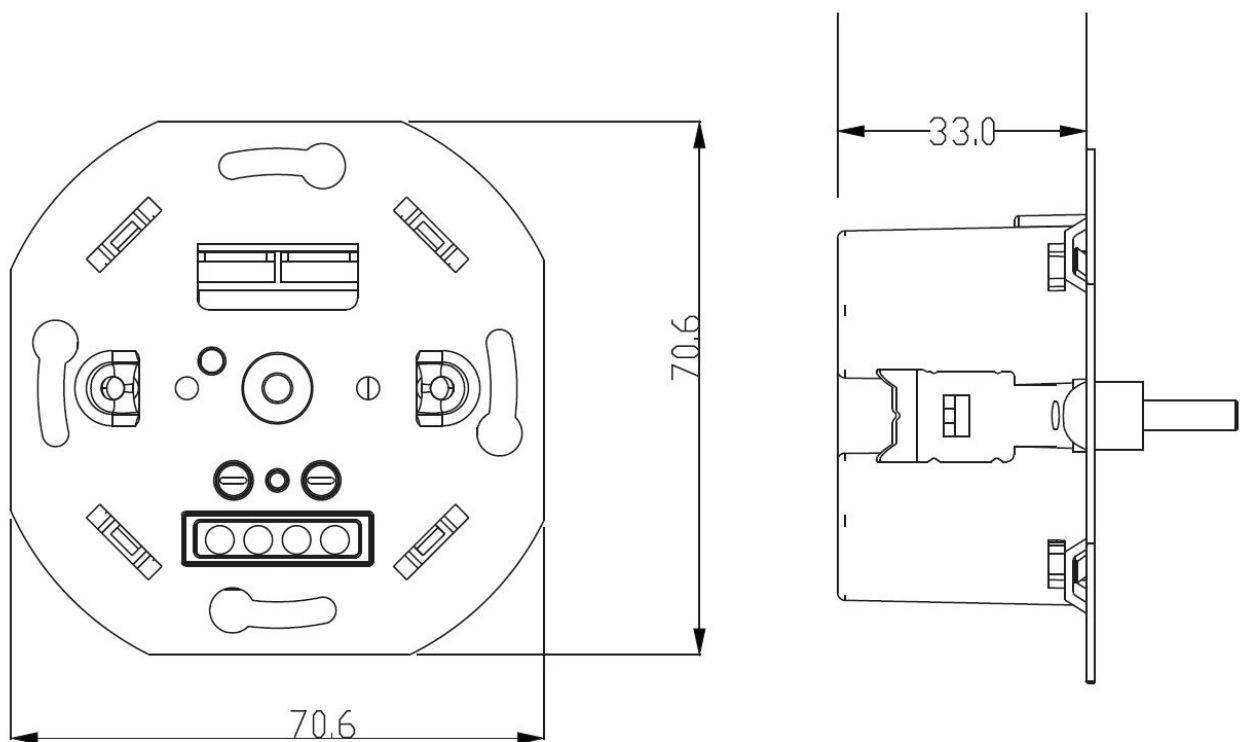
### Reset button

To set the dimmer to factory setting or into pairing 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 and MAX 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 or without screw holes

## Specifications

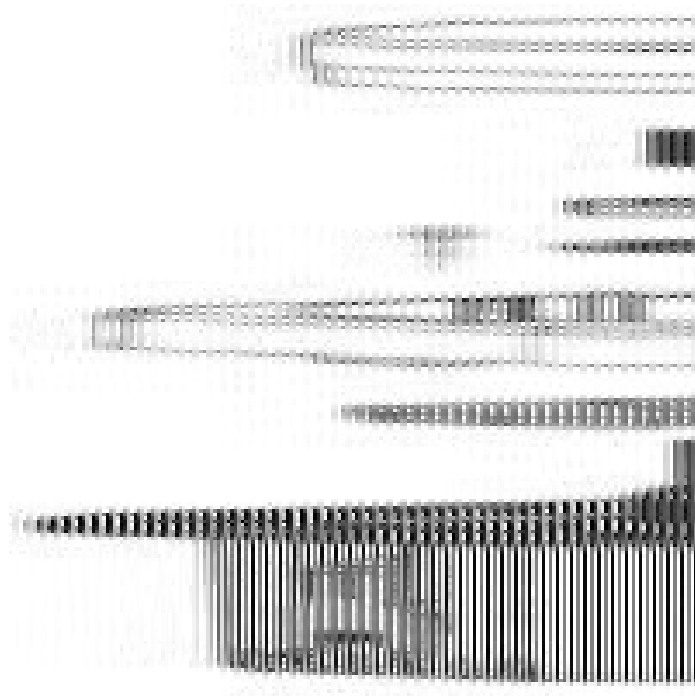
- Input voltage
  - 220-240 Vac, 50Hz
- Power (load)
  - 0-200W LED
  - 10-300W Halogen light bulbs
- Suitable for
  - Led-, halogen-, light bulbs
- Type dimmer
  - R,C Phase cut
- Working temperature
  - 35 °C
- Operation
  - Push / turn button
- Dimensions
  - 70.6×70.6x33mm
- Weight
  - 87.8g



**Suitable brands of cover material:**

- Berker by Hager
- Busch-Jaeger
- Gira
- JUNG
- Kopp
- Merten by Schneider

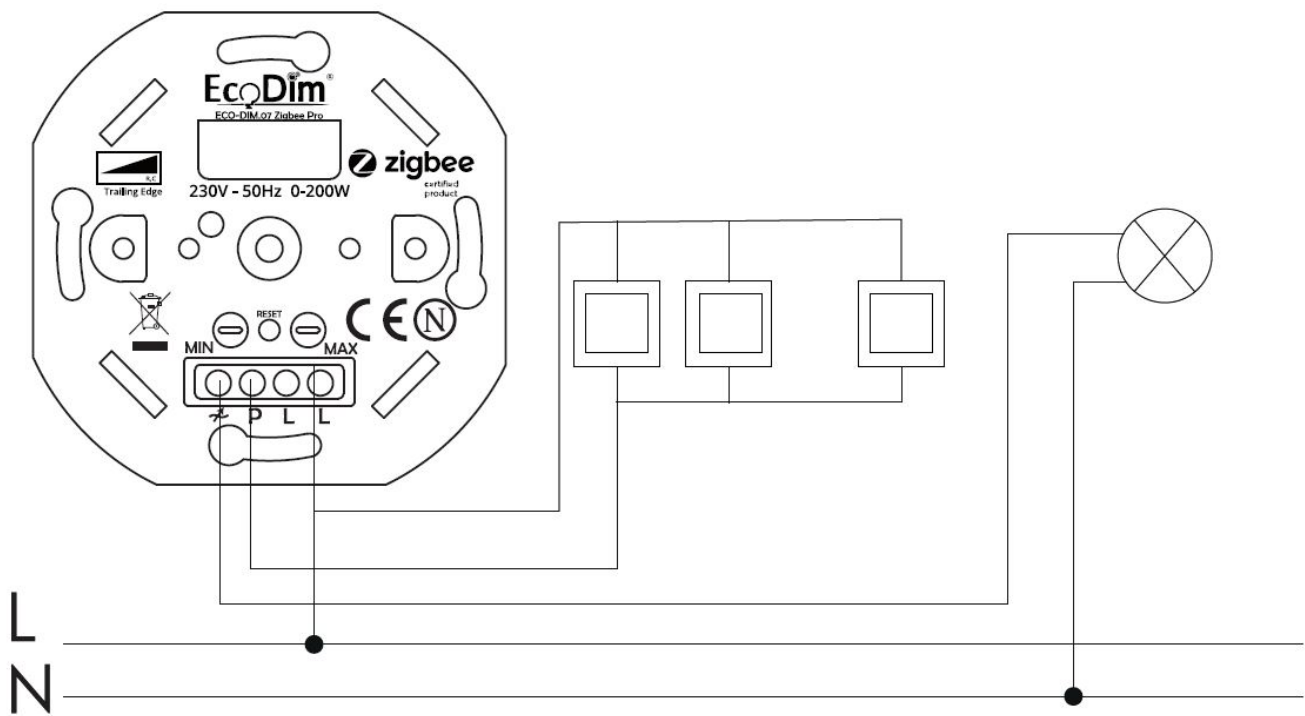
- Niko
- PEHA



## 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. Use screws or tighten the screws of the mounting clamps.
- **Step 4:** Switch the electricity back on. Switch on the connected lights by pressing the dimmer shaft. Now adjust the 'MIN/MAX' adjustment, as described under 'MIN/MAX 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/MAX adjustment

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

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

## 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. Please refer to the manual of your controller on how to do this.
- **Step 3:** The dimmer will be visible in your app and the previously set MIN / MAX 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](http://www.ecodim.nl/downloads-smart-dimmer)

## Settings

### 1. Factory reset

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

## 2. 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 starts blinking blue and stays solid for 10s when successful.

## 3. 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.

## 4. TouchLink:

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

1. Press the reset button for 4 times, the indicator will start blinking green and stays solid for 10s, timeout 3mins.
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 Touch link.

## 5. Find and Bind:

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

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

## Settings Manual ( Eco-Dim.07 Zigbee)

### Factory Reset

**Step 2.** When the indicator stays solid red for 10s the reset is finished.



**Step 1.** Press and hold the reset button for 5s

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

### Include to a Zigbee Network

**Step 1.** Remove the device from previous Zigbee network if it has already been added to one, otherwise the pairing mode will fail.

**Step 3.** The indicator will start blinking blue and stays solid for 10s when pairing succeeds, timeout 15mins.



**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 will start blinking purple and stays solid for 10s when the device is removed, timeout 3mins.



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

## TouchLink

**Step 3.** The indicator will start 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

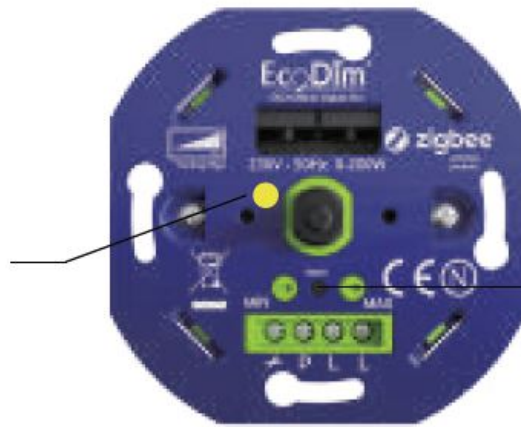


## Note:

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 already added to the same Zigbee network.



**Step 3.** The indicator starts blinking yellow and stays 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

### Input Cluster

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

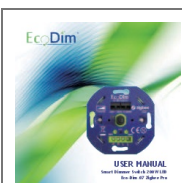
### Output Cluster

- 0x0019: OTA

## Zigbee codes / Commands

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

## Documents / Resources



[EcoDim Eco-Dim.07 Zigbee Pro Smart Dimmer Switch](#) [pdf] User Manual  
Eco-Dim.07 Zigbee Pro, Smart Dimmer Switch

## References



-  -
-  [Downloads smart dimmer -](#)

Manuals+.