ENGO CONTROLS

EROLLER

ZigBee Roller Shutter

EROL-ZB

Quick Guide

Ver. 1.0
Release date: IX 2024
Soft:
ZigBee module: v1.0.10
Main module: v1.2.1

Works with

ENGO SMART App

GET IT ON Google Play

Available on the App Store

Hey Google

works with alexa

Powered By

tuya

Producer:
Engo Controls Sp z o.o. Sp. k.
43-262 Kobielice
Rolna 4 St.
Poland

www.engocontrols.com

Technical specifications

Power supply	230V AC 50Hz
Max load	2x16(5)A
Communication	ZigBee 3.0 2,4GHz
Output SL1, SL2	230V AC 50 Hz
Input S1, S2	230V AC 50 Hz
Dimension [mm]	46 x 46 x 24

Introduction

The roller shutter controller allows to control rollers via wall switch and Engo Smart mobile app. With 16A relays, the controller can cope with large motor drives. Installation in the wall box behind the wall switch is simple and aesthetically pleasing. Device allows you to check the position of the roller shutter, set timers and schedules and integrates with Amazon Alexa or Google Assistant. This device can act as a repeater as well - it will extend the ZigBee network range.

ATTENTION:

This product must be used together with ZigBee gateway (purchased separately).

Product features

- Powerfull relays: 2x16A
- Can be controlled via roller shutter buttons or from the app
- Works with ENGO Smart (compatible with Tuya App)
- Mounting in a flush-mounted box or on a DIN rail - bracket included
- Support for voice commands via Amazon Alexa or Google Assistant.
- Works as ZigBee repeater

Product Compliance

This product complies with the following EU Directives: 2014/53/EU i 2011/65/EU.

Safety Information:

Use in accordance with national and EU regulations. Use the device only as intended, keeping it in a dry condition. The product is for indoor use only. Installation must be carried out by a qualified person in accordance with national and EU regulations.

Installation:

Installation must be performed by a qualified person with appropriate electrical qualifications, in accordance with the standards and regulations in force in a given country and in the EU. The manufacturer is not responsible for non-compliance with the instructions.

ATTENTION:

For the entire installation, there may be additional protection requirements, which the installer is responsible for.

Input/Output

1. LED diode
2. Function button
3. Power supply 230V AC
4. SL1 - 230V AC output for opening
5. SL2 - 230V AC output for closing
6. S1 - 230V AC signal input for opening
7. S2 - 230V AC signal input for closing

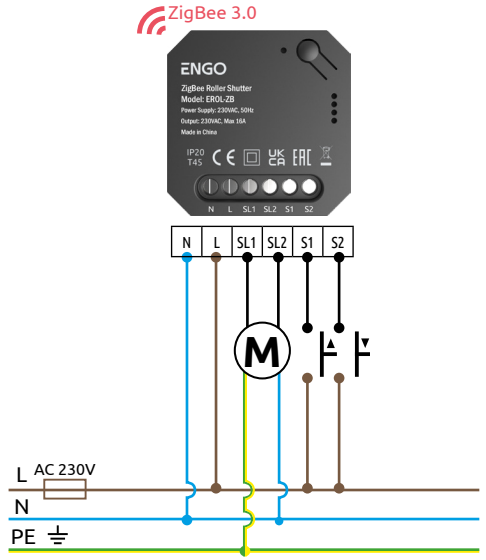
LED diode indications

	EXPLANATION
LED diode flashes on blue ●●●●●●...	The device is in pairing mode with the ZigBee network (when the device does not has been previously added to the ZigBee network , or after restoring factory settings)
LED diode lights up blue ●	The device is connected to a ZigBee network

Button functions

	EXPLANATION
click 5 times, the LED will flash **blue** ●●●●●●...	Module reset (device will be removed from the ZigBee network and automatically will go into pairing mode). In addition, device beeps when in pairing mode.

Connection description



Legend:

	Fuse
L, N	230V AC power supply
PE ⏚	Ground (electricity)
SL1, SL2	Roller shutter drive control (output) contacts - 230V AC
S1, S2	Roller shutter drive control (input) contacts - 230V AC
M	Roller shutter drive
	Monostable contact (momentary)
	Wireless communication

Installation thermostat in the app

Make sure your router is within range of your smartphone. Make sure you are connected to the Internet. This will reduce the pairing time of the device.

STEP 1 - DOWNLOAD ENGO SMART APP

Download the ENGO Smart app from Google Play or Apple App Store and install it on your smartphone.

ENGO SMART App

Powered By tuya

Hey Google | works with alexa

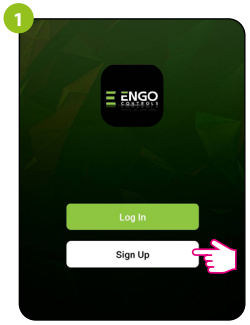
Google Play

App Store

STEP 2 - REGISTER THE NEW ACCOUNT

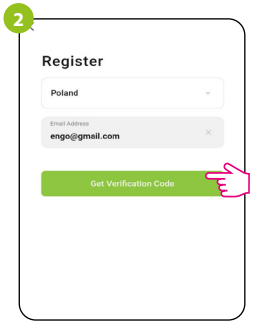
To register a new account, please follow the steps below:

1



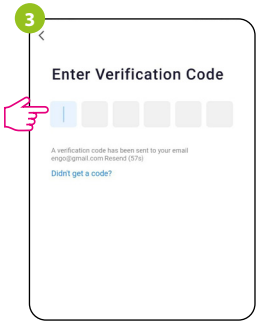
Click „Register" to create new account.

2



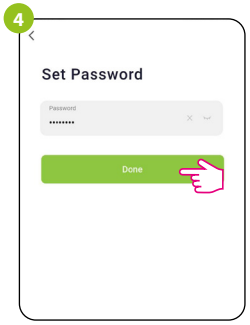
Enter your e-mail address to which the verification code will be sent.

3



Enter the verification code received in the email. Remember that you only have 60 seconds to enter the code!!

4



Then set the login password.

STEP 3 - CONNECT THE RELAY TO ZigBee NETWORK

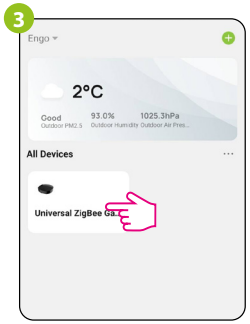
After installing the application and creating an account, follow these steps:

1

2

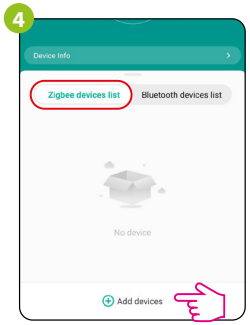
Make sure ZigBee gateway has been added to the Engo Smart app. Make sure the roller shutter is connected to the power supply. Blue LED should flash quickly. If not, press the button 5 times quickly or switch the controller's power off/on 5 times. The relay will enter pairing mode. In addition, device beeps when in pairing mode.

3



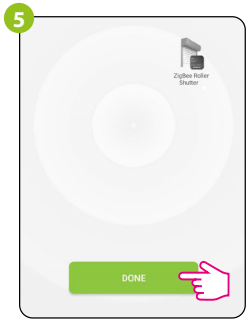
Enter the gateway interface.

4



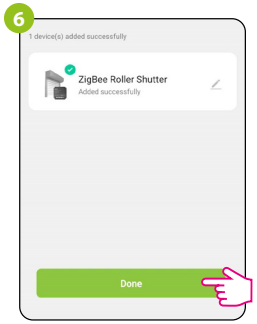
In „Zigbee devices list" go „Add devices".

5



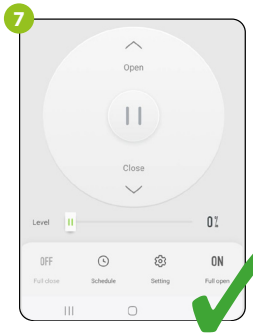
Wait until the application finds the roller shutter and click "Done".

6



Name the device and click "Done".

7

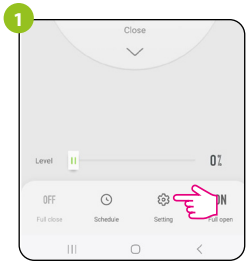


The roller shutter has been installed and displays the main interface.

Device calibration

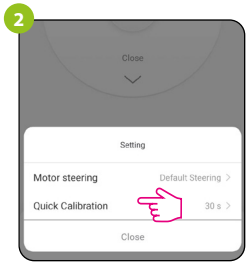
It is important to calibrate opening time of the roller shutter - so the opening/ closing percentage levels will be displayed accurately in the app and will refer to the actual state of the roller shutter.

1



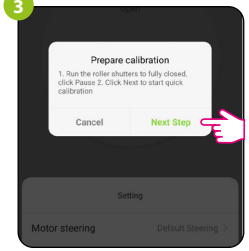
Go „Settings".

2



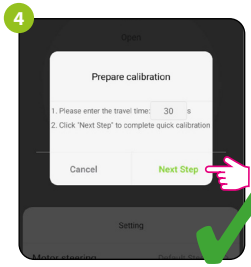
Select: „Quick Calibration".

3



Click „Next step".

4



Enter the opening time of the roller shutter and confirm.

Factory reset

To reset the device, press the button 5 times quickly or switch the controller's power off/on 5 times. The LED will start flashing blue. The roller shutter will be removed from the application, then goes into pairing mode. Now it's possible to add the relay again (see STEP 3 - CONNECT THE RELAY TO ZigBee). Device will return to the previous network if it is not added to the new one.