



Quick Guide

Works with the app **ENGO SMART** **tuya** **Powered By**

Ver. 2.0
Release date: IV 2026
Soft:
Main module v2.0.2
MCU v1.7.0

GET IT ON
Google Play

Available on the
App Store

Hey Google works with alexa

Producer:
Engo Controls sp. z o. o. sp. k.
43-262 Kobilice
Rolna 4 St.
Poland

www.engocontrols.com

Product Compliance

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

(ϕ) 868 MHz: 863–870 MHz, max. 13 dBm EIRP
(ϕ) Wi-Fi (2.4 GHz): 2.412–2.484 GHz, max. 17 dBm EIRP

Please note!

This document is a brief manual of the installation and operation of the product and highlights its most important features and functions.

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. Please read the entire manual, before installation or use.

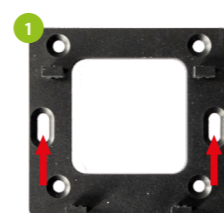
INSTALLATION:

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.

WARNING:

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

Wall mounting of the regulator



Attach the mounting plate to wall.



Insert the batteries.



Attach the thermostat to the plate.

Receiver

Receiver's switches description:

LEFT SWITCH

- 1. Receiver ON
- 2. Receiver OFF

RIGHT SWITCH

- 3. MANUAL - Receiver works in manual mode (according to the left switch)
- 4. AUTO - Receiver works in AUTO mode (according to the thermostat's command)



LED indications in the receiver

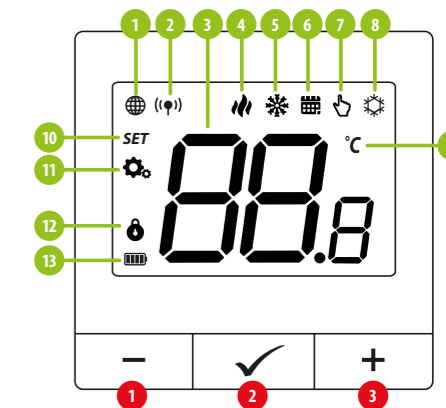
The status of the receiver is indicated by two LEDs. These are LEDs with the following colors:

- 1 - red (upper one),
- green (upper one),
- blue (upper one),
- pink (upper one)
- 2 - orange (lower one).

A detailed explanation of the meaning of the LEDs can be found in the table below:

	DESCRIPTION
The red LED flashes	The red LED diode flashes - Receiver and thermostat are prepared for installation in the app. LED always flashes red: - immediately after connecting the receiver to the power supply, if the thermostat is not added to the app - after running the parameter "APP" -> YES (installer parameters) - after removing thermostat from the app (device automatically entered pairing mode)
The red LED steady	The red LED diode is steady - E20i Wi-Fi has not been installed in the app and it is working in Offline mode. It means also app pairing mode timed out (pairing with app must be done within 10 minutes after enabling pairing mode).
The green LED is solid	The receiver is connected to a router but there is no connection to Internet (router is offline)
The green LED flashes	The receiver lost connection with a router (router is off)
The blue LED is solid	The receiver is connected to a router that has Internet access (router is online)
The blue LED flashes	The receiver was paired but lost communication with the thermostat due to out of range or low battery in the thermostat. When receiver lost communication with thermostat it starts flashing after 15 minutes.
The orange LED is solid	In automatic mode, the receiver received a heating / cooling signal from the thermostat or the receiver was started in manual mode (left switch ON, right switch MANUAL)
The orange LED flashes	The receiver is in the pairing mode and is looking for a signal from the thermostat (then you must activate the "SYNC" parameter in the thermostat).
The orange LED is off	The receiver does not send a heating / cooling signal.
The pink LED is on	Update process started. To increase the chance of success of the update - immediately after the pink diode appears, click any thermostat's button to turn on backlight

LCD icon description



- 1. Button -
- 2. Button ✓
- 3. Button +
- 1. Internet connection
- 2. Send a signal (pairing)
- 3. Current/Setpoint temperature
- 4. Heating indicator
- 5. Cooling indicator
- 6. Schedule mode icon
- 7. Temporary override mode
- 8. FROST (anti-freeze mode)
- 9. Temperature unit
- 10. Settings icon / temperature settings
- 11. Settings icon
- 12. Button lock
- 13. Battery indicator

Button functions

+	Change the parameter value up
-	Change the parameter value down
✓	Manual/Schedule mode - short button press (Online mode)
✓	Enter the installer parameters - hold 3 seconds
✓	Turn OFF/ON thermostat - hold 5 seconds (standby)
+ & -	Enter the pairing mode - hold until the PA message appears, then release the keys
+ & -	Pairing the transmitter with the receiver - hold until the SY message, then release the keys
+ & -	Factory reset - hold until the FA message appears, then release the keys
+ & ✓	Lock/Unlock thermostat keys - hold 3 seconds
- & ✓	Heating/Cooling mode change - hold 3seconds

Introduction:

A wireless set for controlling standard heating devices (e.g. gas boilers). It is characterized by: simplicity of construction, intuitive operation using the keys and a large and legible display. The built-in Wi-Fi module enables easy and quick configuration of the device in the ENGO Smart mobile application. The controller can be shared with many users, has a scheduling function and a PIN lock. Factory paired and ready to work.

Product Features:

- Wi-Fi Wi-Fi 2.4 GHz communication standard
- 868MHz Wireless communication in the 868 Mhz standard
- Compatibility with the ENGO Smart application
- Possibility to set the minimum and maximum setpoint temperature range
- HEATING/COOLING function

Technical specifications

Thermostat power supply	2xAA batteries
Receiver power supply	230V AC 50 Hz
Max load of the receiver	16(5)A
Receiver output signal	COM / NO (voltage free)
Temperature control range	5,0°C - 35,0°C
Control algorithm	TPI or Hysteresis (±0,2°C to ±2°C)
Communication	Wireless, 868 Mhz + Wi-Fi 2,4 GHz
Dimensions [mm]	Transmitter: 80 x 80 x 22 Receiver: 96 x 96 x 27

Wiring Diagrams

