



ENGO CONTROLS EASY Series Non Programmable Wired Thermostat User Guide

[Home](#) » [ENGO CONTROLS](#) » ENGO CONTROLS EASY Series Non Programmable Wired Thermostat User Guide

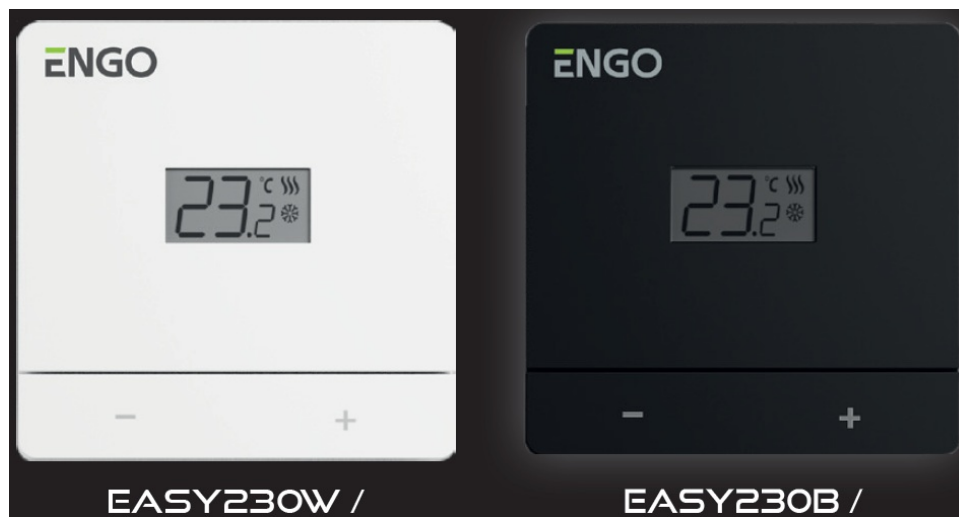


Contents

- 1 ENGO CONTROLS EASY Series Non-Programmable Wired Thermostat
- 2 Product Information
 - 2.1 Product Compliance
 - 2.2 Technical Information
 - 2.3 Connection Descriptions for EASY230W / EASY230B
 - 2.4 Connection Descriptions for EASYBATW / EASYBATB
- 3 Description of the LCD display + description of the buttons
 - 3.1 SWITCH (MODE SELECTION)
- 4 Product Usage Instructions
 - 4.1 Proper Thermostat Location
 - 4.2 Installer Parameters
- 5 Documents / Resources
 - 5.1 References



ENGO CONTROLS EASY Series Non-Programmable Wired Thermostat



Product Information

The Non-programmable, wired thermostat is a versatile device that can be powered either by 230V AC or 2xAAA batteries. It is designed for wired control of heating or cooling devices and systems. The thermostat works by maintaining comfortable conditions in the room according to the user's setpoint temperature. It is directly connected to a heat source or wiring center. The model is available in two colors for better fit and aesthetics. The thermostat is safe, reliable, and easy to use. Wired, non-programmable thermostat, battery powered (2xAAA) or 230V AC powered. It is used for wired control of heating or cooling devices and systems. It works by maintaining comfortable conditions in the room, in line with the setpoint temperature set by the user. It is connected directly to a heat source or wiring centre. For a better fit, the model is available in two colors. Safe, reliable, easy to use.

Product Compliance

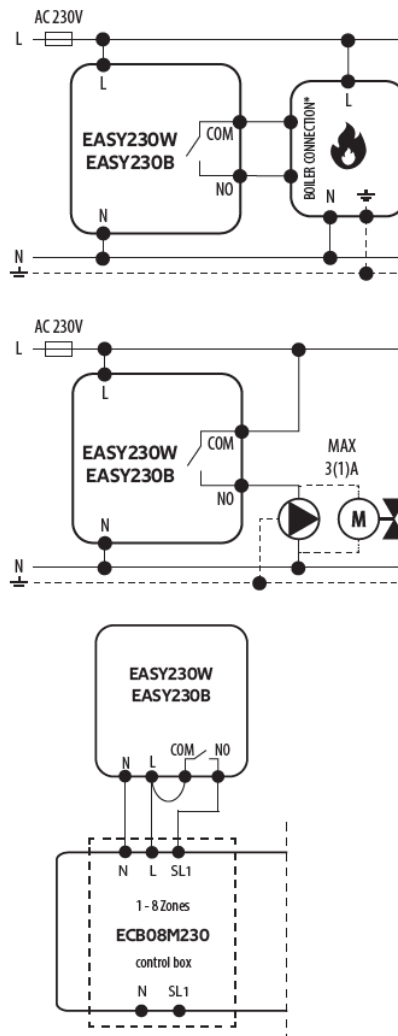
This product complies with the following EU Directives: 2014/53/EU, 2011/65/EU

Technical Information

- Power supply: 230V or 2xAAA batteries
- Max current: 3 (1) A
- Temperature range: 5 – 35°C
- Display temperature accuracy: 0,1°C
- Control algorithm: TPI or Hysteresis ($\pm 0.2^{\circ}\text{C}$ to $\pm 2^{\circ}\text{C}$)
- Communication: Wired
- Output control: COM / NO (voltage-free)
- IP protection class: IP30
- Dimensions: 80 x 80 x 22 mm

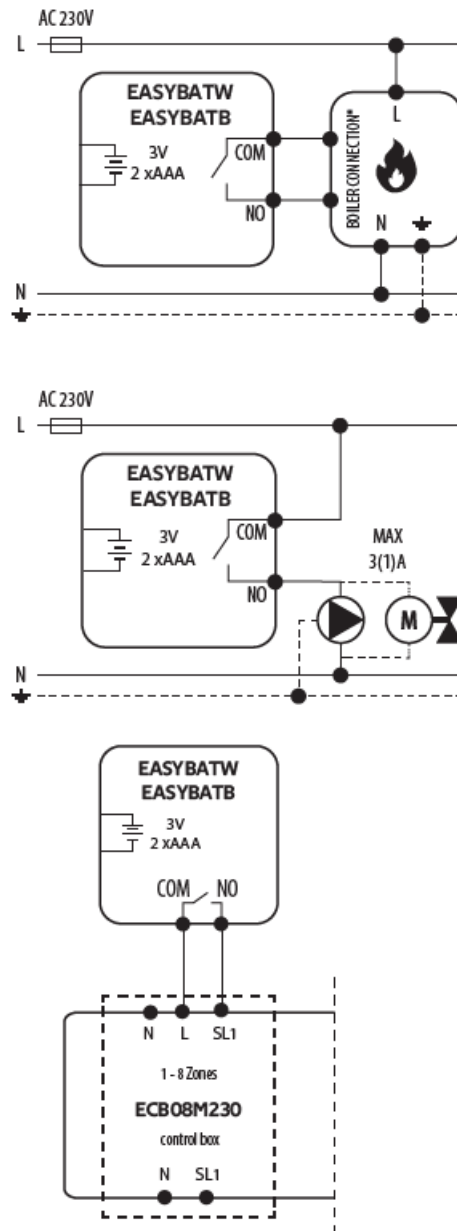
Connection Descriptions for EASY230W / EASY230B

- Connection diagram for gas boiler:
- Connection diagram to pump / actuator:
- Connection diagram to the control box:



Connection Descriptions for EASYBATW / EASYBATB

- Connection diagram for gas boiler:
- Connection diagram to pump / actuator:
- Connection diagram to the control box:



Legend:



Boiler - Boiler connection* - Boiler's contacts for ON/OFF thermostat (according to the boiler's instructions)



Pump



Valve

L, N - power supply

COM, NO - voltage-free output

SL1 - 230V control input in the control box

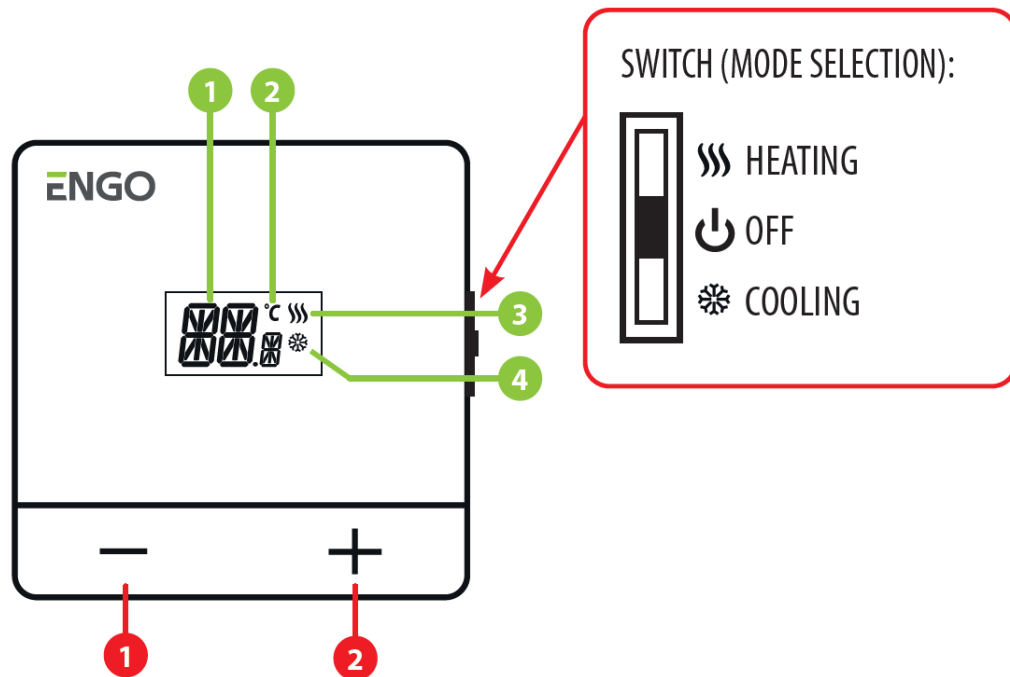
- fuse

Description of the LCD display + description of the buttons

SWITCH (MODE SELECTION)

1. Current / set room temperature
2. Temperature unit
3. Heating mode icon
4. Cooling mode icon
 1. "MINUS" button

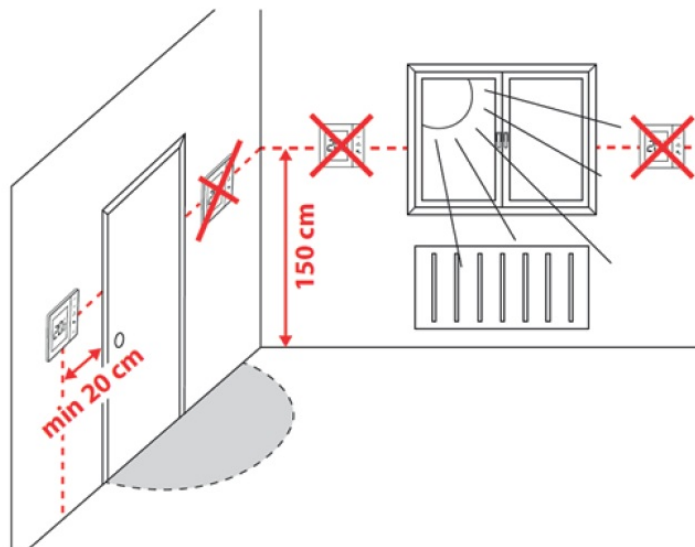
2. "PLUS" button



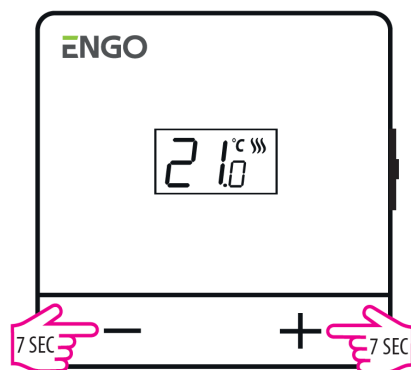
Product Usage Instructions




Proper Thermostat Location




For the thermostat to work properly, it must be installed in a suitable place. Preferably approx. 150 cm above floor level, away from sources of heat or cold. In addition, the thermostat should not be installed behind curtains or other obstacles or in places with high humidity, as this will prevent an accurate measurement of the temperature in the room. It is not recommended to install the thermostat on an outside wall, in a draft or in a place where it will be exposed to direct sunlight.



Lock / Unlock the thermostat's keys



To lock the keys on the thermostat, press and hold simultaneously  and  buttons for 7 seconds. After the  screen appears, release the keys. Thermostat is locked.

To unlock the keys on the thermostat, press and hold simultaneously  and  buttons for 7 seconds. After the  screen appears, release the keys. Thermostat is unlocked.

To ensure proper functioning of the thermostat, follow these guidelines for installation:

- Install the thermostat approximately 150 cm above floor level.
- Avoid placing the thermostat near sources of heat or cold.
- Do not install the thermostat behind curtains or obstacles.
- Avoid installing the thermostat in places with high humidity.
- Avoid installing the thermostat on an outside wall, in a draft, or where it will be exposed to direct sunlight.

To lock the keys on the thermostat:

1. Press and hold the “-” and “+” buttons simultaneously for 7 seconds.
2. Release the keys when the screen appears. The thermostat is now locked.

To unlock the keys on the thermostat:

1. Press and hold the “-” and “+” buttons simultaneously for 7 seconds.
2. Release the keys when the screen appears. The thermostat is now unlocked.

Installer Parameters

To enter the service menu:

1. MAIN SCREEN

To enter the service menu, press and hold „MINUS” and „PLUS” buttons for 5 seconds.

2. CHOOSE A CONTROL ALGORITHM

1. UFH – underfloor heating
2. RAD – radiator heating
3. ELE – electric heating
4. H – hysteresis in the range from 0,4°C to 4,0°C Example: H = 0,4°C = $\pm 0.2^{\circ}\text{C}$

3. MIN. TEMP SETPOINT LIMIT

Set the minimum temperature setpoint limit.

4. MAX. TEMP SETPOINT LIMIT

Set the maximum temperature setpoint limit.

5. TEMPERATURE CALIBRATION

Displayed (measured) temperature can be calibrated in steps of 0.1°C (from -3.5°C to + 3.5°C).

6. BATTERY STATUS*

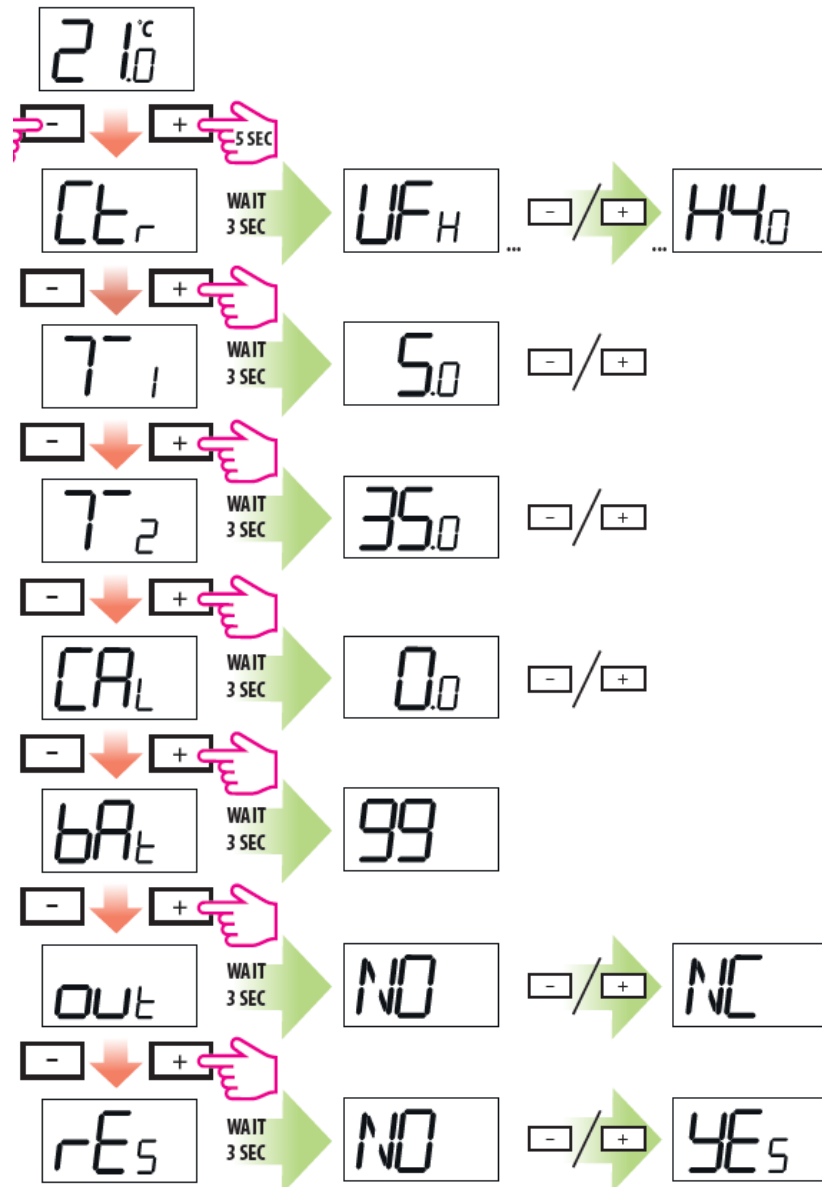
Check the current battery status (%). *only for battery version

7. OUTPUT CONTROL

Select whether the thermostat output has to work as NO = Normally Open or NC = Normally Closed.

8. RESET

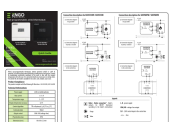
Reset thermostat settings to default values.



WARNING!

After entering the service menu, use – or + buttons to choose a parameter. For the parameter selection to be confirmed, wait 3 seconds. The screen will appear with the settings that you can change with – or + buttons. Wait 3 seconds for the selection to be confirmed. The thermostat will go to the home screen.

Documents / Resources



[ENGO CONTROLS EASY Series Non Programmable Wired Thermostat](#) [pdf] User Guide
EASY230W, EASY230B, EASYBATW, EASYBATB, EASY Series Non Programmable Wired Thermostat, EASY Series, EASY Series Wired Thermostat, Non Programmable Wired Thermostat, Programmable Wired Thermostat, Wired Thermostat, Thermostat

References

-  [ENGO Controls - Sterowanie ogrzewaniem](#)

Manuals+.