

## EUROSTER 0101 SMART

**Wired, programmable thermostat for all types of heating devices featuring remote control by a smartphone or tablet.**



**MANUFACTURER: P.H.P.U. AS, Chumiętki 4, 63-840 Krobia, Poland**

In order to take full advantage of thermostat capabilities please read this installation and operation manual carefully.

This manual is intended for 26.05.2020 version of thermostat

### 1. THERMOSTAT APPLICATION

Euroster 0101 Smart thermostat is intended to control the heating system in living and utility rooms. It is used to control the operation of the CH boiler and other heating system components. The thermostat features an elegant, state-of-the-art design that suits every interior. With its possibility to configure multiple parameters, the thermostat enables the user to control the room temperature efficiently.

It works with four or six temperature levels. Each temperature may be modified within the range of 5...35 °C. The thermostat may be programmed in seven-day cycles with an accuracy of 10 minutes. It is possible to program different time ranges for each day of the week.

Due to the possibility of remote control, the thermostat may be operated from anywhere in the world.

**The applications for the Android system are available at Google Play Store and for the iOS system at App Store. The configuration and operating manuals are available at <http://www.euroster.pl>.**

### 2. BASIC THERMOSTAT FUNCTIONS

- control through bespoke mobile applications for iOS and Android systems
- Remote access using the user-friendly application in English
- Integrated Wi-Fi – without the necessity to use gateways
- Large, readable display
- Possibility to switch the thermostat off after the heating season
- Numerous useful functions: temporary temperature setting, constant temperature, vacation mode
- Temperature read-out accuracy of 0.1 °C
- Temperature readout correction
- Supply voltage 230 V 50-60 Hz
- Surface mounting

### 3. VISIBLE ELEMENTS OF EUROSTER 0101 Smart

#### BODY



1. Info button – previewing the programming mode and time
2. ECO function button
3. On/off button
4. Up button – changing temperature settings
5. HOLD function button
6. Down button – changing temperature settings

#### DISPLAY



1. Current temperature
2. Current program
3. Information regarding the connection with the WiFi network
4. Operation with weekly program
5. Heating on icon

### 4. INSTALLATION

#### 4.1. Safety rules

##### CAUTION!

- **Prior to the commencement of any installation works, read this manual carefully! Incorrect installation and improper use may lead to serious hazards to users or other persons and result in property damage!**
- **The thermostat is equipped with an electronic switch that does not guarantee a safe disconnection of cooperating equipment, therefore prior to mounting or dismantling the thermostat make sure that the heating system is de-energized.**
- **Dangerous voltages, hazardous to life, are present on the thermostat cables, therefore only a qualified technician holding authorization for such works may be entrusted with the installation of the thermostat.**
- **The electric connections performed and cables used shall be adequate to the applied loads and must conform to all requirements!**
- **Do not install the set in rooms with increased humidity; protect it against water and other liquids!**
- **Do not install any thermostat showing signs of mechanical damage!**
- **The thermostat is not a safety component. Additional protection devices must be used in systems prone to the risk of damage due to the failure of control systems!**

- **The device is not intended for use by children!**
- **Should there be any problem with the proper operation of the thermostat, please contact your technician or the manufacturer!**

#### NOTE!

**Euroster 0101 Smart thermostat and a heating device must be powered from the same phase of the power system.**

#### 4.2. Proper place of installation

The thermostat is designed for indoor mounting. In order to ensure fully efficient operation of the thermostat, please make sure that the following recommendations regarding the location of the thermostat are observed:

- Locate the thermostat at the height of approximately 1.5m above the floor.
- Avoid places with strong sunlight, near heating or cooling devices, situated directly by doors, windows, and other similar locations, where the temperature measurement could be easily disturbed by external conditions.
- Avoid places with poor air circulation, e.g. behind furniture.
- Avoid moist places due to the negative effect of moisture on the service life of the device.

#### 4.3. Opening the thermostat

The thermostat housing consists of two main parts – a base with a connector for cables and a front panel with an LCD. Thermostat components are joined together by connectors and a clip.

To open the thermostat press the clip on the side edge of the thermostat with a flat screwdriver, then carefully separate the front panel from the base, minding the connector.

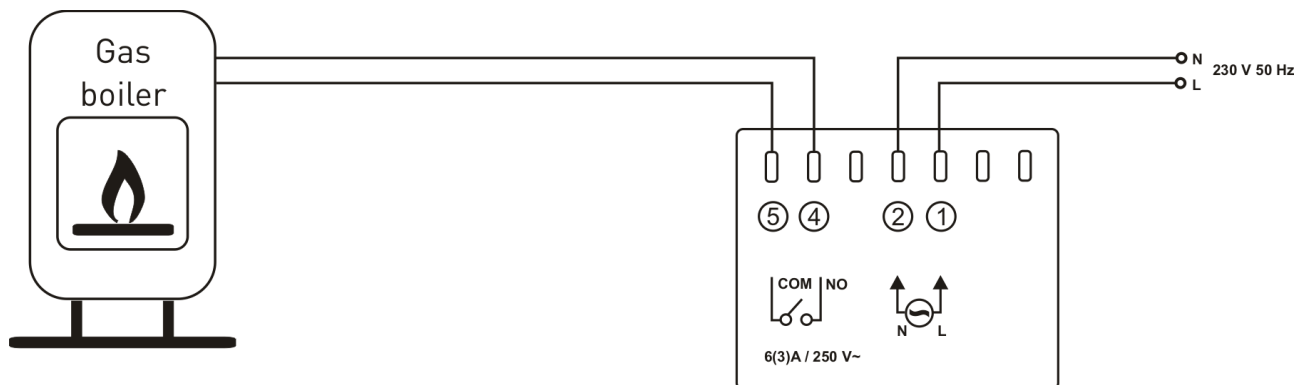
#### 4.4. Thermostat installation

Lead all necessary cables to the flush back box before mounting the thermostat. Connect the thermostat with stranded wire with a diameter adequate to the switched load. Thermostat mounting holes enable installation in standard, 60 mm deep flush back boxes. Connect the power cables to terminals 1 and 2, L phase, and N neutral cable adequately. Connect the controlled device to terminals 3 and 4, following the figure below. Having completed the installation, check cables for proper connection, install the connection cover, and screw the thermostat base to the flush-back box, install the thermostat front panel paying attention to the proper assembly of the connector.

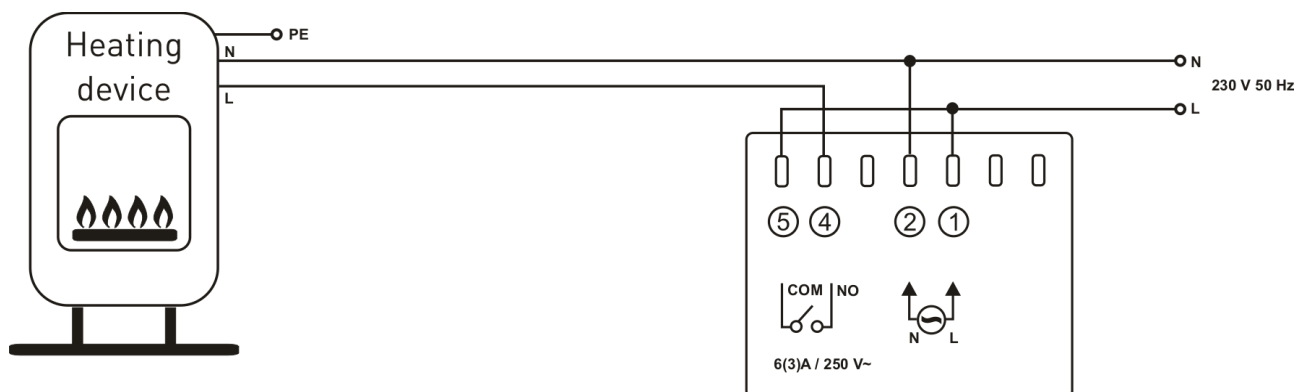
#### 4.5. Sample Connection Diagrams

The following diagrams are simplified and do not cover all elements necessary for the correct installation.

##### In a system with a gas boiler



### In arrangement with a 230 V 50 Hz heating device



## 5. THERMOSTAT SETTINGS

Below you will find the description of settings and functions available only from the thermostat.

### 5.1. Previewing time, date and programming mode






Having established a connection with the Wi-Fi network the thermostat downloads the current time and date from the Internet.

You may check the time and date by pressing the clock button. The following items are displayed:

- Current programming mode (4 ranges or 6 ranges)
- Day of the week (e.g. D 03 = Wednesday)
- Current time.




### 5.2. Eco function

This function enables a temporary change of temperature without introducing changes in the stored weekly program. The thermostat operates according to a new temperature setting for a preset number of hours and then it restores operation according to the weekly program. You may change the duration of Eco temperature within the range of 1...24 hours.






In order to activate the function press , use   buttons to set the duration of the function. Having set the duration (the time countdown appears on display) use   buttons to set the desired temperature (within the range of 5...35°C). The default setting is 18°C.

### 5.3. Switching the thermostat off

In this mode, the thermostat switches to maximum energy saving. It is not possible to change the temperature. Frost protection ensures that the heating is turned on only to prevent temperature dropping below 5°C.

Using  button you may switch the thermostat off.  icon appears on the display. Pressing the  button again switches the thermostat off.




### 5.4. Keypad lock

The thermostat features a keypad lock function. An active lock is indicated by  symbol. In order to lock the display and avoid making unintentional changes press  and  (in such order). Press  and  buttons again to switch off the lock.






### 5.5. Weekly program

A weekly program may only be set by the application.



### 5.6. Temperature maintenance – constant temperature

The thermostat maintains the preset temperature regardless of the preset weekly program. In order to set the operation with a constant temperature press , and use   buttons to set the desired temperature. At this point, the thermostat starts operating in constant setpoint mode. In order to restore operation according to the weekly program, switch off the constant temperature function.

### 5.7. Changing hysteresis



It is a difference between the current and preset temperature allowed by the thermostat. It determines the accuracy of room temperature control. Press and hold   buttons simultaneously for 5 seconds, symbol  and the current hysteresis value appear on the display. Use   buttons to set the required hysteresis value, one press changes it by 0.2°C. The hysteresis values of 0.2°C/0.4°C/0.6°C/0.8°C or 1°C are available.

### 5.8. Restoring factory settings

The function serves to delete all entered settings and restore the thermostat factory settings. Press and hold  and  buttons simultaneously for 5 seconds in order to restore factory settings. "dEL" symbol appears on the display.

### 5.9. Manual override

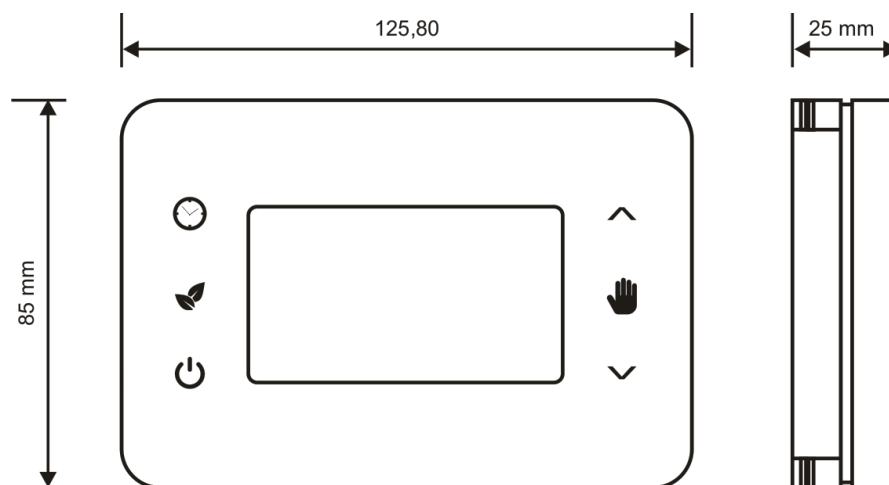
Manual override function enables a temporary change of temperature without introducing changes in the stored thermostat programs. The thermostat will operate according to the new temperature setting throughout the current program. With the beginning of the subsequent program the manual override is completed and the thermostat restores operation according to programmed temperatures.

To activate manual override, just set the desired temperature using   buttons. Wait for 5 seconds, when the temperature starts to operate with the new temperature.

## 6. MAINTENANCE

Do not use solvents and aggressive detergents to clean the thermostat, since they may damage the surface of the housing and the display. Clean the thermostat housing with a soft cloth.

## 7. DIMENSIONS



## 8. TECHNICAL DATA

Controlled device	Heating systems
Supply voltage	200-240 V 50/60 Hz
Receiver output	relay, voltage-free type, SPST
Maximum load	6(3) A 230V 50 Hz
Temperature measurement range	0°C...+48.5°C
Temperature adjustment range	+5°C...+35°C
Temperature adjustment accuracy	0.2°C
Temperature readout accuracy	0.1°C
Hysteresis range	0.2°C/0.4°C/0.6°C/0.8°C/1°C
Visual signalization	backlit display
Operation temperature	+5°C...+40°C
Storage temperature	0°C...+50°C
Ingress protection rating	IP20, Protection Class II
Color	white
Mounting method	wall-mounted

Weight	158g
Warranty period	2 years
Thermostat class:	I
Thermostat contribution to the seasonal energy efficiency of room heating	1%
WiFi specifications	2,4GHz 802.11 b/g/n

## 9. KIT CONTENTS

- **Euroster0101 Smart**, thermostat
- Screw anchors
- Installation and Operation Manual with Warranty Certificate

## 10. SIMPLIFIED DECLARATION OF CONFORMITY

P.H.P.U. AS AGNIESZKA SZYMAŃSKA-KACZYŃSKA hereby represents that the type of EUROSTER 0101 Smart equipment conforms to the following directives: 2014/35/EU (LVD), 2014/30/EU (EMC), 2014/53/EU (RED), 2011/65/EU (RoHS).

The complete text of the Declaration of EU conformity is available at the following Internet address: [www.euroster.pl](http://www.euroster.pl)

## 11. ELECTRONIC WASTE MANAGEMENT INFORMATION



This product is designed and manufactured from high-quality materials and components suitable for reuse. If the equipment, packaging, or user manual, etc. is provided with a crossed-out wheeled bin symbol, it means that the product should be selectively collected in accordance with the Directive 2012/19/EU of the European Parliament and of the Council. Such marking informs that the electrical and electronic equipment may not be disposed of together with other household waste after their service life. The user is obliged to take the used devices to a point of collection of waste electrical and electronic equipment. The entities collecting such equipment, including the collection points, shops, and municipal entities, set up an appropriate system enabling the hand-over of such equipment. The proper disposal of waste equipment contributes to the prevention of dangerous consequences to nature and human health, resulting from the possible presence of hazardous components in the equipment and inaccurate storage and processing of such equipment. The selective collection contributes to the recovery of materials and components used for manufacturing the equipment. A household plays an important role in contributing to reuse and recovery including recycling, of the waste equipment. The attitudes influencing the protection of the common good of a clean environment are shaped at this level. Households are also one of the larger users of small equipment and its rational management at this level impacts the recovery of recyclables. Inaccurate disposal of this product may be penalized under national legislation.

**WARRANTY CERTIFICATE**  
**EUROSTER 0101 Smart thermostat**

Warranty terms:

1. The warranty is valid for 24 months from the device sale date.
2. The claimed thermostat together with this warranty certificate must be supplied to the seller.
3. Warranty claims shall be processed within 14 business days from the date the manufacturer has received the claimed device.
4. The device may be repaired exclusively by the manufacturer or by other parties clearly authorized by the manufacturer.
5. Warranty becomes void in case of any mechanical damage, incorrect operation, and repairs made by unauthorized persons.
6. This consumer warranty does not exclude, restrict nor suspend any right of the Buyer ensuing if the product would not meet any of the sale contract terms.

.....  
Sale date

serial number

date of manufacture

Stamp

and signature

Service:

Phone No. 65-57-12-12

The business entity that issued this warranty certificate is:

P.H.P.U. AS Agnieszka Szymańska-Kaczyńska, Chumiętki 4, 63-840 Krobia, Poland