

EUROSTER FH1

Heating Zone Controller



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

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

This manual is intended for the v.1 06.2020 version of the controller.

1. INTENDED USE

The Euroster FH1 controller is designed to control the heating circuit in central heating systems.

2. BASIC FUNCTIONS OF THE THERMOSTAT

- cooperates with a room thermostat
- controls the CH pump
- controls the boiler – dry contact
- bimetal (thermal) sensor input – circuit overheating protection.

3. INSTALLATION

SAFETY RULES

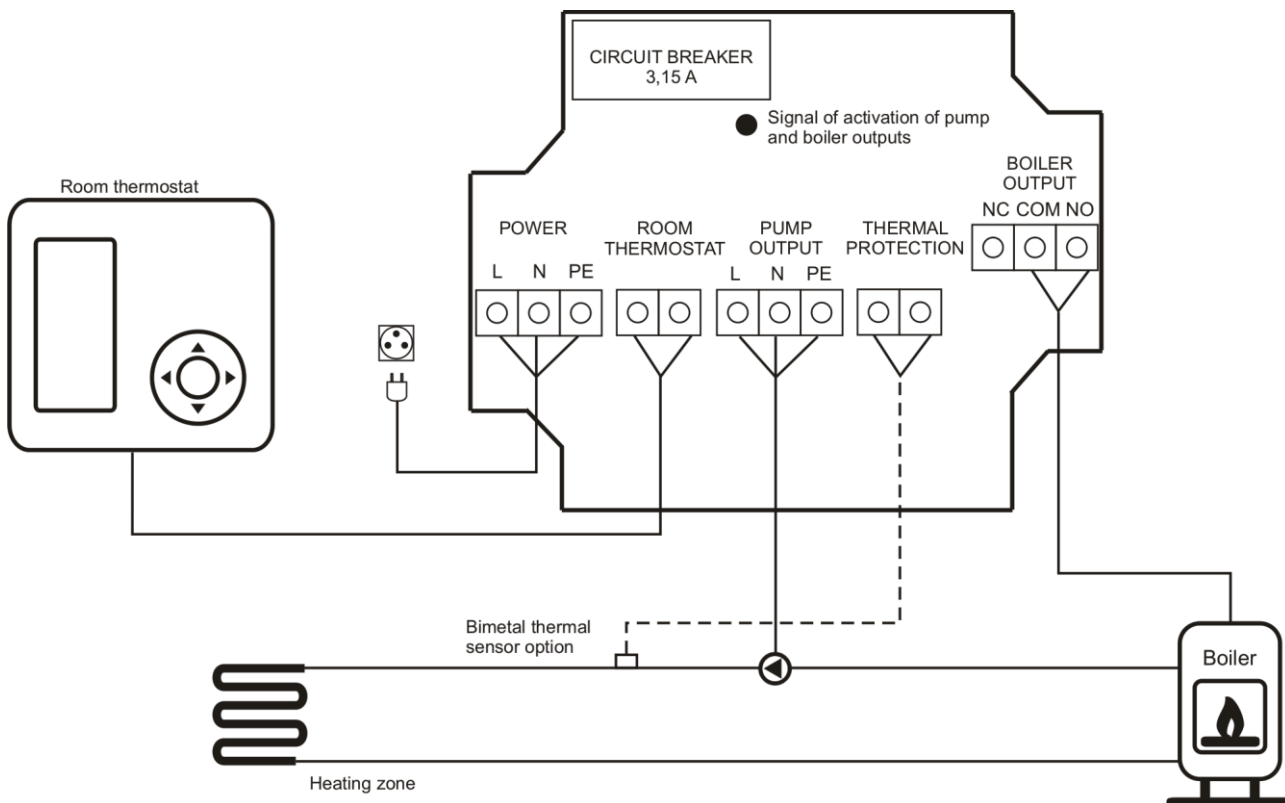
CAUTION!

- **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!**
- **Prior to mounting or dismantling the device make sure that the controller is de-energized.**
- **Dangerous voltages, hazardous to life, is present on the cables connected to the device, therefore only a qualified technician holding authorization for such works may be entrusted with the installation of the controller.**
- **The electric connections performed and cables used shall be adequate to the applied loads and must conform to all requirements!**
- **Do not install the device in rooms with increased humidity; protect it against water and other liquids!**
- **Do not install any device showing signs of mechanical damage!**
- **The device is not intended for use by children!**
- **Should there be any problem with the proper operation of the controller, please contact your technician or the manufacturer!**

Screw the electric cables to the connection blocks according to the description and drawing. Make sure to keep the proper designation of the cables. Screw the neutral conductors to N terminals, phase conductors to L terminals and grounding conductors to PE terminals.

The following diagram is simplified and does not cover all the elements necessary for the correct operation of the system.

Sample connection diagram.



4. OVERVIEW OF THE OPERATION

The Euroster FH1 controller can cooperate with any room thermostat with voltage-free, normally open (NO) output – e.g. any thermostat manufactured by Euroster.

Having received a room thermostat signal, the controller switches the CH pump on and changes the BOILER output status.

BOILER output is used to switch the heating source on, e.g. gas-fired boiler. The device has 3 contacts marked as NC, COM, and NO. It withstands mains voltage of 230 V and load of 2 A.

In the systems with underfloor heating, additional thermal protection (bimetal thermal sensor) shall be provided. It is intended to protect the floor system against overheating. If the protection temperature is exceeded, the CH pump and boiler is switched off.

If you use the controller in a standard heating system, you do not need to use thermal protection. There is a factory-installed jumper at the point of connection of the thermal protection.

7. TECHNICAL DATA

Controlled device	CH boiler and pump
Supply voltage	230 V 50 Hz
Maximum load	2 A 230 V 50 Hz
Operation temperature	+5 °C...+40 °C
Storage temperature	-10 °C...+45 °C
Ingress protection rating	IP20
Color	gray
Mounting method	wall-mounted
Dimensions (width / depth / height) mm	90 / 75 / 42
Weight	140 g
Warranty period	2 years

8. KIT CONTENTS

- Euroster FH1 controller
- Power cable 2 m
- Screw anchors
- User Manual with Warranty Certificate.

9. SIMPLIFIED DECLARATION OF CONFORMITY

P.H.P.U. AS AGNIESZKA SZYMAŃSKA-KACZYŃSKA hereby represents that the type of EUROSTER FH1 equipment conforms to the following directives: 2014/35/EU (LVD), 2014/30/EU (EMC), 2011/65/EU (RoHS).

The complete text of the Declaration of EU conformity is available at the following Internet address: www.euroster.pl

ELECTRONIC WASTE MANAGEMENT INFORMATION



This product is designed and manufactured from high-quality materials and components suitable for reuse.

The crossed-out wheeled bin symbol located on the product (Fig. 1) means that the product is subject to selective collection in accordance with the provisions of the Directive 2012/19/EU of the European Parliament and of the Council.

The product contains batteries, which are marked with a crossed-out wheeled bin symbol (Fig. 1). The batteries are subject to selective collection in accordance with the provisions of the Directive 2006/66/EC of the European Parliament and of the Council.

Such marking informs that the electrical and electronic equipment, as well as batteries and accumulators, may not be disposed of together with other household waste after their service life has ended. The user is obliged to take the used devices and batteries or accumulators to a point of collection of waste electrical and electronic equipment and batteries and accumulators. The entities collecting such equipment, including the local collection points, shops, and municipal entities, set up an appropriate system enabling handover of such equipment and batteries and accumulators. The proper disposal of waste equipment, batteries, and accumulators contributes to the prevention of consequences hazardous to the health of persons and nature, resulting from the possible presence of hazardous components in the equipment and batteries and inaccurate storage and processing of such equipment and batteries.

Households play an important role in contributing to reuse and recovery, including recycling, of 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 in accordance with national legislation.

WARRANTY CERTIFICATE**EUROSTER FH1 controller**

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 invalidated in case of any mechanical damage, incorrect operation, and/or making any repairs by unauthorized persons.
6. This consumer warranty does not exclude, restrict nor suspend any right of the Buyer ensuring if the product would not meet any of the sale contract terms.

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Sale date

Serial number
date of manufacture

Stamp
and signature

Service:
Phone No. 65-57-12-012

The business entity that issued this warranty certificate is:

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