

6. PRECAUTIONS

Switch off power from all wiring before installing, testing or replacing the thermostat. Only qualified electricians are allowed to work on electrical connections and the electric supply of the device. Otherwise the warranty invalidates. Only use plastic wall mounting boxes for the thermostat installation.

7. WARRANTY

The producer guarantees the compliance of the thermostat with the design description assuming the consideration of the operation manual.

Warranty period - 2 years from date of purchase.

In case of a failure during the warranty period because of faulty manufacturing despite correct executed installation (according to manual) the customer has the right to get the product repaired or replaced. The warranty does not cover any damages due to inadequate handling, damages through third party fault, wrong installation (not following the manual) or its consequential damages. Please keep your receipt.

For any warranty claims you have to show your sales receipt.

8. ACCEPTANCE TEST CERTIFICATE

The thermostat PHMRM passed the test.

Name: _____

Street: _____

ZIP code, city: _____

Country: _____

Phone: _____ E-Mail: _____

Date of purchase: _____ Installer: _____

Installation date: _____ Signature installer: _____

TC-1023-PHMRM-UH-040915



Thermostat PHMRM



TECHNICAL CERTIFICATE OPERATION MANUAL



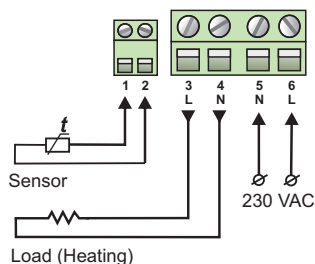
1. FUNCTION

Thermostat **PHMRM** is designed to control underfloor heating systems (heating mats, sections, film heaters). The thermostat maintains comfortable heating temperature and saves energy. It keeps the temperature you have set based on data received from the floor mounted temperature sensor.

2. TECHNICAL INFORMATION

Power supply	230VAC
Maximum load current	16A
Thermostat power consumption	450 mW
Weight	90 g
Dimensions	86x86x35 mm
IP rate	IP20
Protection class	II
Floor temperature sensor (TST02)	NTC 6,8 kOhm
Sensor's cold lead length	2 m
Ambient air temperature range	from +5°C to +40°C
Maximum humidity	80%
Maintained temperature range	from +5°C to +45°C
Color	white

3. CONNECTING DIAGRAM



4. DELIVERY SET

- | | |
|--|-------|
| 1. thermostat PHMRM | 1 pc. |
| 2. temperature sensor with connecting cable (cable length 2 m) | 1 pc. |
| 3. operation manual | 1 pc. |

5. INSTALLATION AND OPERATION

PREPARATIONS FOR INSTALLATION:

1. Prepare a recess in the wall suitable for the wall mounting box.
2. Route the power supply cable, the cold leads and the temperature sensor cable to the wall mounting box. The sensor cable has to be in a corrugated tube in order to facilitate if it's necessary to exchange it in future.
3. The switch of the thermostat has to be in position (ϕ).
4. Take off the front cover of the thermostat. Therefore use a small flat-head screwdriver to press the locks located on the lower side of the front cover and remove the front cover. (see figure1)
5. Place the back frame on the wall mounting box and fix it with screws. Perform all connections (according to the line diagram).
6. Place the front cover to the frame and press it carefully ensuring that the locks are snapped in.
7. Turn the heating on like described below.



Figure 1

OPERATION:

Install and connect the thermostat after the installation and testing of the underfloor heating system (or any other heating system).

The thermostat is equipped with the temperature setting dial and signal LED, which indicates that the thermostat is in switch on mode. The temperature setting dial acts as on/off switch – when the dial is turned counter-clockwise in downright position, the thermostat is switched off. To switch on, just turn the dial clockwise.

The thermostat maintains comfortable heating temperature in a range from +5 to +45 C. After switch on, turn the dial clockwise in upright position (LED will switch on). When desired comfort temperature is reached, turn the dial counter-clockwise until the LED switches off. If you would like to increase temperature, turn the dial clockwise a little bit; to decrease temperature turn the dial counter-clockwise.