

RoomStat 110

THERMOSTAT



OPERATING MANUAL

4. Installation and operation

Important! Please apply for professional service for the thermostat and heating system installation. Only qualified electricians should perform connections and power networking of the device. Switch off power before connecting wiring to the thermostat or disconnecting the device for testing.

Install and connect the thermostat after the installation and testing of the associated floor heating system. The thermostat is equipped with a switch, a temperature control knob and an indication LED.

Moving the switch to the upper position (1) turns the thermostat on, moving it to the down position (0) turns the device off. Turning the control knob clockwise will increase the maintained temperature, turning it counter-clockwise – will decrease it. The LED is lighted, when the system is powered. The thermostat is designed for flash mounting (buried into the wall) in a plastic junction box (not included in the delivery set).

For the thermostat installation you have to:

1. Prepare a deepening in the wall suitable for your junction box and install the box.
 2. Switch of the thermostat to position "0" (OFF).
 3. Route the power supply cable, the cold leads of the heating system and the temperature sensor cable placed in the corrugated plastic tube, to the junction box.
 4. Perform all the connections according to part 3 of this manual.
 5. Take the temperature control knob carefully off by using a screwdriver.
 6. Take off the front cover, using a thin screwdriver, carefully press in the locks located on the upper and lower sides of the front cover pulling it out slightly. Remove the cover and remove the frame.
 7. Place the device into the junction box and fasten it by means of at least two screws (preferably located at the same horizontal level).
 8. Assemble the thermostat acting in reverse order. Install the frame carefully ensuring that it closely fits to the device's case. Then return the front cover to its place and press it ensuring that both locks are fixed. Make sure that the front cover is properly affixed.
 9. Turn the axis of the variable resistor by means of a screwdriver clockwise until it stops. Now place the knob above so that the marker points to the LED and press the knob at this place.
 10. To turn the thermostat on be assured the control knob is turned clockwise until the stop position and move the switch to position "1" (ON). At that LED light indicates the heating system is ON. After achieving the comfort heating level (it may take up to 3 days for the initial starting) turn the control knob counter-clockwise until the LED dims to establish the desired temperature. The thermostat will maintain this temperature level automatically. To increase the temperature turn the control knob clockwise, to decrease it - turn it counter clockwise.
- To turn the heating off, move the switch to the position "0" (OFF).

1. Function

The thermostat is designed for indoor electrical underfloor heating systems or any other electrical heating systems and devices. It keeps the temperature you have set based on data received from the floor mounted temperature sensors (included in the delivery set).

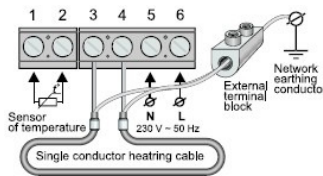
2. Technical information

Supply Voltage	230 VAC 50 Hz
Maximum load current	16 A
Weight	150 g (inkl. Sensor)
Dimensions	80 x 80 x 52 mm
Remote floor temperature sensor	NTC 6,8W
Maintaining temperature	+5 bis +45 °C
Sensor connecting cable length	2 m

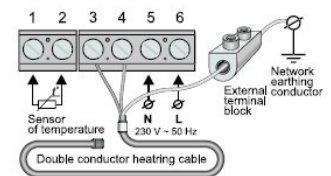
3. Connecting diagram

The temperature sensor is connected to the contacts 1 and 2. Connect the supply voltage to the contacts 5 and 6, the neutral line to 5 and the phase (detected by an indicator) to 6.

Single conductor heating section or mat. The cold leads of the heating system (e.g. TLOE = white) are connected to the contacts 3 and 4, the screen (yellow-green or bare wire) to the grounding conductor by means of an external terminal contact with screw fastening.



Double conductor heating section or mat. The cold leads of the heating system (e.g. TLBE = white and blue) are connected to the contacts 3 and 4, the screen (yellow-green or bare wire) to the grounding conductor by means of an external terminal contact with screw fastening.



5. Delivery set

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| 1. Roomstat 110 thermostat | 1 piece |
| 2. Temperature sensor with connecting cable | 1 piece |
| 3. Technical certificate/ operating manual | 1 piece |
| 4. Package | 1 piece |

6. Precautions

A qualified electrician trained to national and regional standards for Indoor Electrical Equipment regulations must install all wiring. Only use a plastic wall box for the thermostat installation. Failure to do so may invalidate the warranty.

7. Warranty

Warranty period - 2 year from the date of sale.

During the warranty period the customer has the right to get the product repaired or replaced due to faulty materials from the manufacturer on the condition that the manual guides to Installation and Operation of this device have been followed. The warranty policy does not cover thermostats with mechanical damage and in cases where the failure is a result of disregard for operating conditions provided in this Manual, and/or instructions provided for device installation and electrical connections.

Please keep your receipt.

8. Reclamations

In case of failure during the warranty period of the device the customer must immediately contact the manufacturer service center or the regional authorized representative.

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