

HH 270-AF Installation instruction

1 Installation Guidelines

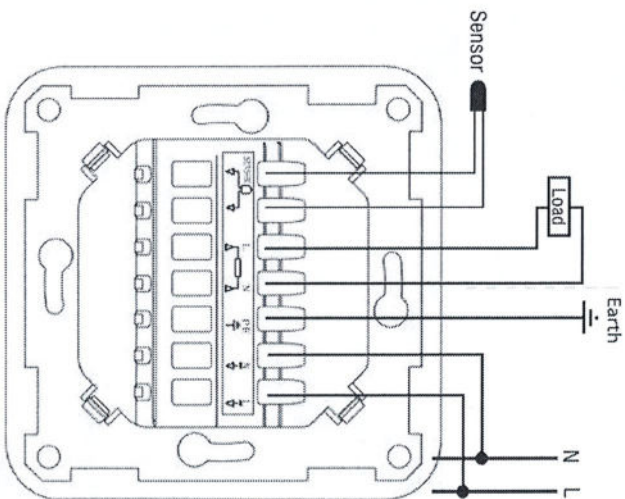
Turn off the power to the heating system at the main power panel to avoid electrical shock. Installation should be carried out by a qualified electrician.

All work must conform to the most recent national regulations for electric installations and wirings. This thermostat should be connected on a circuit with a RCD failure current tripping device. For new installation, choose a location 1,5 m above the floor.

The Thermostat must be installed on an inside wall. Avoid locations where there is an air draft, air outlet, top of staircase, behind door, direct sunlight, concealed chimneys or stove pipes.

Accessories

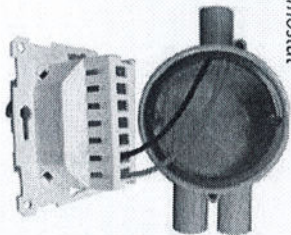
Before making the connections, make sure that the base covers the electrical box entirely. If not, install a wall plate at the back of the base.



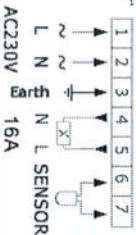
2 The thermostat must be mounted on a suitable Wall Socket like part No. 512006 or 512013, to ensure suitable fitting.

IMPORTANT:

By fitting the thermostat housing may not get tense or twisted. This may cause malfunction of the thermostat

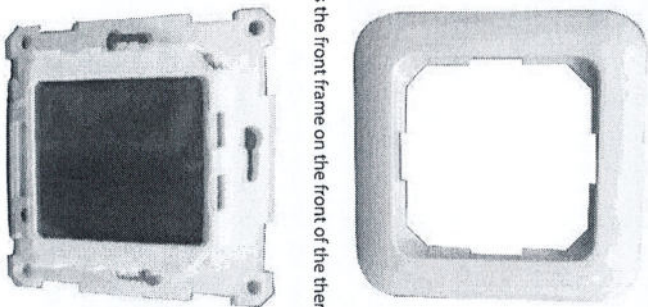


Note:
Please take care of the connection wires between the housing cover and the power base when installing the thermostat.



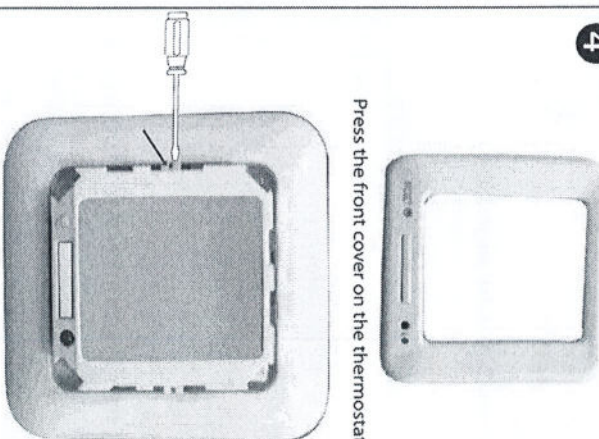
3

Press the front frame on the front of the thermostat



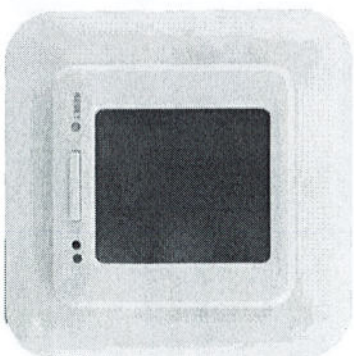
4

Press the front cover on the thermostat



To release the front cover use a screw driver and push the taps in both sides

5 Turn power on



When power is turned on set the time and weekday.

If displays shows: "—" "—" the floor probe is not connected or fails.

HH 270-AF Touch Screen Thermostat

Owners Guide

Thank you for choosing the HH 270-AF. The Thermostat is designed for Electrical underfloor heating. It can be programmed for up to 4 events each day with different temperatures. Use with Program Mode or Manual Mode according to your individual requirements.



HH 270-AF functions

A, AF Temperature sensor Modes

Three sensor modes are available: A-mode for Room sensor, F-mode for Floor sensor and AF-mode for Room sensor with limited floor temperature.

Manual Mode

The manual mode overrides the schedule program. Set the temperature and number of hours according to your individual requirements and the thermostat will operate at this temperature.

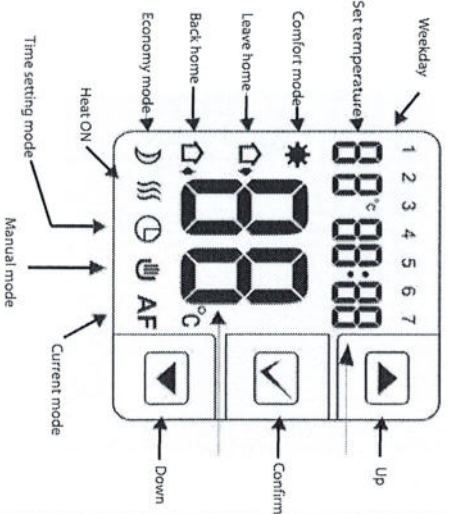
Program schedule mode

The schedule is used to automatically switch between comfort and economy temperature.

Programs	Time
*	Wake-up / Comfort mode
☾	Leave home / Economy mode
☾	Back home / Comfort mode
☾	Night / Economy mode

- ★ Display floor temperature with 2-digits
- ★ Heating disabled model(OFF)
- ★ Accumulative heating hours
- ★ Lamp (LED) for heating activated
- ★ Main Switch for switching off the thermostat

Key / Icon Description



NB: Press the confirm key in 3 seconds and the thermostat return to operating mode.

3 Program mode setting

Set the thermostat in program schedule mode for the chosen Sensor mode: e.g. in AF-mode AF will flash.

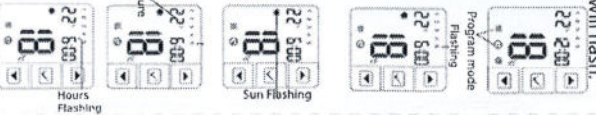
- 1 Press the \checkmark key once and then \blacktriangleleft until the AF start flashing. Confirm by pressing the \checkmark .

- 2 "1 2 3 4 5" or "6 7" will start flashing. Select the week day by pressing \blacktriangleleft or \blacktriangleright and confirm by pressing \checkmark .

- 3 Sun * will start flashing. Select the program by pressing \blacktriangleleft or \blacktriangleright and confirm by pressing \checkmark .

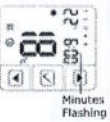
- 4 Temperature will start flashing. Select the temperature by pressing \blacktriangleleft or \blacktriangleright and confirm by pressing \checkmark .

- 5 Hour will start flashing. Select the temperature by pressing \blacktriangleleft or \blacktriangleright and confirm by pressing \checkmark .



- 6 Minutes will start flashing. Select the minutes by pressing \blacktriangleleft or \blacktriangleright and confirm by pressing \checkmark .

- 7 Repeat step 3 - 4 - 5 for program ☾. Repeat step 3 - 4 - 5 for program ☾. Repeat step 3 - 4 - 5 for program ☾.



Factory setting of time schedule and temperatures

Key	Event	Symbol	Time	Temperature
\blacktriangleleft	Day 1-5	☾	06.00	22 °C
\blacktriangleright		☾	08.00	16 °C
\blacktriangleleft		☾	16.00	22 °C
\blacktriangleright		☾	22.00	16 °C
\blacktriangleleft	Day 6-7	☾	08.00	22 °C
\blacktriangleright		☾	22.00	16 °C

4 Set maximum floor temperature

Factory setting of maximum floor temperature in AF-mode is 28 °C. Setting can be changed from 24 °C to 45 °C. Press the \checkmark and \blacktriangleleft simultaneously and the floor limit temperature flashes. Change the setting by pressing \blacktriangleleft or \blacktriangleright . Press \checkmark to confirm.

1 Sensor mode setting

Press the \checkmark key for 3 seconds and chose the mode A, AF of F by pressing the \blacktriangleleft or \blacktriangleright and confirm by pressing \checkmark .

2 Time and week day setting

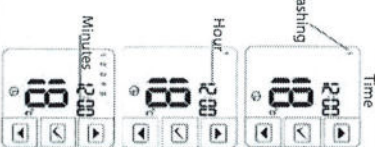
Set the thermostat to the present weekday and time.

Press the \checkmark key once and then \blacktriangleleft until the AF start flashing. Confirm by pressing the \checkmark .

"1" will start flashing. Select the present week day by pressing \blacktriangleleft or \blacktriangleright and confirm by pressing \checkmark .

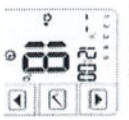
Hour will start flashing. Select the hour by pressing pressing \blacktriangleleft or \blacktriangleright and confirm by pressing \checkmark .

Minutes will start flashing. Select the minutes by pressing pressing \blacktriangleleft or \blacktriangleright and confirm by pressing \checkmark .



5 Permanent disable of heating

In program mode the heating can be disabled. Press \blacktriangleleft and the program step icon Fx disappears. Press \blacktriangleleft to return to normal heating output.



6 Heating hour accumulation

Press \blacktriangleleft and \blacktriangleleft simultaneously and the display shows the total hours of power consumption. By pressing \blacktriangleleft and \blacktriangleleft simultaneously will reset the hours. The Reset button will not affect the accumulation.



7 Manual mode

Press the \checkmark key once and then \blacktriangleleft until the AF start flashing. Confirm by pressing the \checkmark . Select temperature by pressing \blacktriangleleft or \blacktriangleright and confirm by \checkmark . Hour start flashing and select the number of hours for manual mode. Confirm by \checkmark .



8 Temperature calibration

Press the \checkmark key in 10 seconds and adjust the Room sensor from -5 to +5 °C

Technical specifications

Supply voltage: 230 VAC / 50 Hz
Max. Load: 16 A / 3600 Watt
Temp. setting range A-mode: 5°C to 40 °C
Temp. setting range AF-mode: 5°C to 45 °C
Temp. setting range F-mode: +/- 1 K
Switching differential: 0 °C to 45 °C
Display temperature: IP20
Protection class: Anti-flammable PC
Housing: 3 meter cable with NTC
Floor sensor: 20 hours storage of program and time
Memory back-up:

Warranty

HandyHeat gives 3 years limited warranty.

This product is guaranteed against workmanship defects for a three-year period, following the initial date of purchase. During this period HandyHeat will repair or replace, at our option and without charge, any defective products which has been used under normal conditions. The warranty does not cover delivery costs and does not apply to products poorly installed or randomly damaged following installation. This warranty cancels and replaces any other manufacturers express or implied warranty as well as any other company commitment HandyHeat cannot be held liable for related or random damages following the installation of this product. The defective product as well as the purchase invoice must be returned to the place of purchase or mailed, prepaid and insured, to the nearest shipping address.

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