

# FH 270 Touch Screen Thermostat

## Owners Guide

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



## FH 270 functions

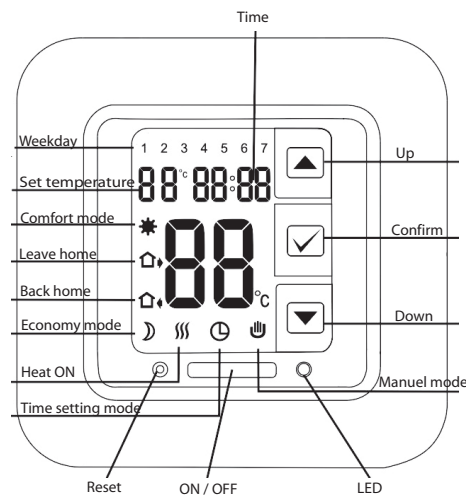
**Manual Mode**  
The manual mode overrides the schedule program. Set the temperature and number of hours according to your individual requirements and the thermostat will operate at this temperature.

**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 mode(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.

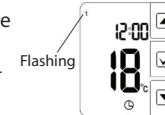
## 1 Time and week day setting

Set the thermostat to the present weekday and time.

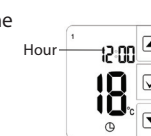
Press the '✓' key once and then '▼' until the ☾ start flashing. Confirm by pressing the '✓'.



'1' will start flashing. Select the present week day by pressing '▲' or '▼' and confirm by pressing '✓'.



Hour will start flashing. Select the hour by pressing '▲' or '▼' and confirm by pressing '✓'.



Minutes will start flashing. Select the minutes by pressing '▲' or '▼' and confirm by pressing '✓'.



## 2 Program mode setting

Set the thermostat in program schedule mode.

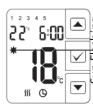
1 Press the '✓' key once and then '▼' until the ☾ start flashing. Confirm by pressing the '✓'.



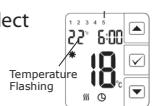
2 '1 2 3 4 5' or '6 7' will start flashing. Select the week day by pressing '▲' or '▼' and confirm by pressing '✓'.



3 Sun ☀ will start flashing. Select the program by pressing '▲' or '▼' and confirm by pressing '✓'.



4 Temperature will start flashing. Select the temperature by pressing '▲' or '▼' and confirm by pressing '✓'.



5 Hour will start flashing. Select the temperature by pressing '▲' or '▼' and confirm by pressing '✓'.



6 Minutes will start flashing. Select the minutes by pressing '▲' or '▼' and confirm by pressing '✓'.



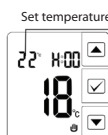
7 Repeat step 3 - 4 - 5 for program ☀, Repeat step 3 - 4 - 5 for program 🏠, Repeat step 3 - 4 - 5 for program ☾

### Factory setting of time schedule and temperatures

Key	Event	Symbol	Time	▲	▼	Temperature	▲	▼
"▲" "▼"	Day 1-5	☀	06.00			22 °C		
		🏠	08.00			16 °C		
	Day 6-7	🏠	16.00	"▲"	"▼"	22 °C	"▲"	"▼"
		☾	22.00			16 °C		
		☀	08.00			22 °C		
		☾	22.00			16 °C		

## 3 Manuel mode (max 99 hours)

Press the '✓' key once and then '▼' until the ☾ start flashing. Confirm by pressing the '✓'. Select temperature by pressing '▲' or '▼' and confirm by '✓'. Hour start flashing and select the number of hours for manual mode. Confirm by '✓'.



4 Permanent disable of heating  
In program mode the heating can be disabled. Press '▲' and the program step icon fx. 🏠 disappears. Press '▲' to return to normal heating output



5 Heating hour accumulation  
Press '▲' and '▼' simultaneously and the display shows the total hours of power consumption. By pressing '▲' and '▼' simultaneously will reset the hours. The Reset button will not affect the accumulation.



## Technical specifications

Supply voltage: 230 VAC / 50 Hz  
Max. Load: 16 A / 3600 Watt  
Temp. setting range: 5 °C to 45 °C  
Switching differential: +/- 1 K  
Ambient temperature: -10 °C to 55 °C  
Protection class: IP20  
Housing: Anti-flamable PC  
Floor sensor: 3 meter cable with NTC  
Memory back-up: 20 hours storage of program

## 6 Warranty

**Floor Heating Systems (FHS) gives THREE years limited warranty.**

This product is guaranteed against workmanship defects for a three-year period, following the initial date of purchase. During this period FHS will repair or replace, at our option and without charge, any defective products which have 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 FHS 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.

**Floor Heating Systems Ltd**  
Fairway Court Wigwam lane  
Hucknall, NG15 7TA UK

[www.floorheatingsystems.com](http://www.floorheatingsystems.com)

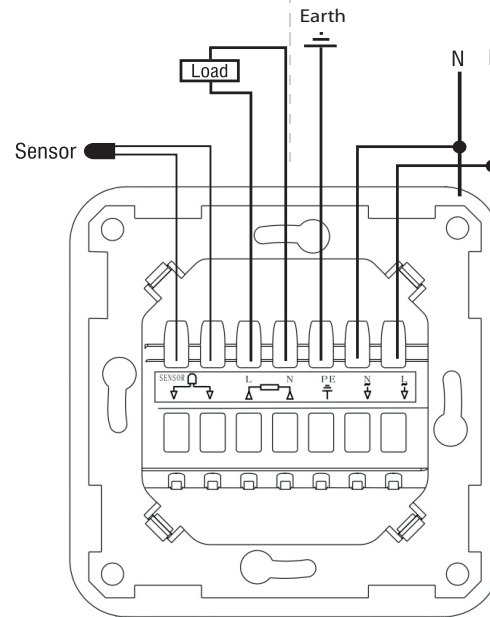
## FH 270 Installation instruction

### 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

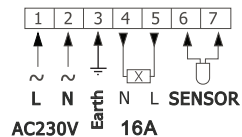
Before making the connections, make sure that the base covers the electrical box entirely. If not, install a wall plate at the back of the base.



2



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



3



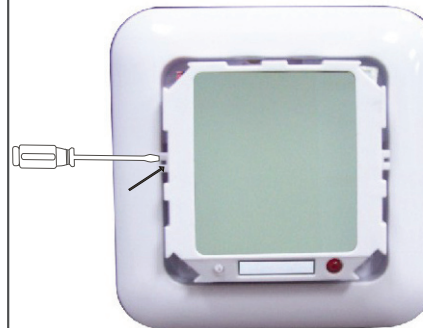
Press the front frame on the front of the thermostat



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.