

UNDERFLOOR HEATING THERMOSTAT

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SERIES:

MITRA, ARUNA, CERES, GAIA, ILLONA, NORA, SENNA, THERMA

FH25/FH25S/FH26S USER MANUAL

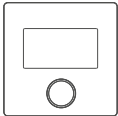
GENERAL SPECIFICATIONS

FH25/FH25S/FH26S is a digital room thermostat designed for underfloor heating and cooling system. The user can get more comfortable and economic heating/cooling by adjusting the room thermostat with the required temperature.

- Sensitive Temperature Measurement
- Hysteresis Adjustment
- Floor sensor temperature setting
- Frost Protection
- Wired connection
- Temperature Calibration
- Operating Range Setting
- Heating/Cooling Modes
- Valve Protection
- ON/OFF Control

FH25/FH25S/FH26S AND EQUIPMENTS

Room Thermostat



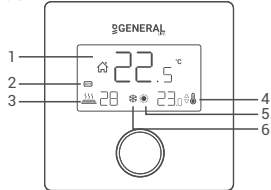
Dowels and Screws



TECHNICAL DATA

Dimensions (H / L / W)	85.7mm / 85.7mm / 33.5mm
Operating Current	230V AC
Relay NO Switching Current	7A (240VAC – Resistive load) 10A (120VAC – Resistive load)
Temperature Measurement Accuracy	0.1°C
Operating Sensitivity	(-2.0°C) – (+2.0°C)
Operating Temperature Range	(5°C) – (30°C)
Operating Temperature	(-10°C) – (+50°C)
Storage Temperature	(-20°C) – (+60°C)

ROOM THERMOSTAT

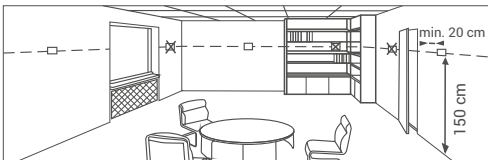


1		Room Temperature
2		Key Lock
3		Underfloor Heating Temperature*
4		Set Temperature
5		Heating Indicator - If the Heating Indicator is blinking, the heating unit is working. - If the Heating Indicator lights up constantly, the heating unit is not working.
6		Cooling Indicator - If the Cooling Indicator is blinking, the cooling unit is working. - If the Cooling Indicator is steady, the cooling unit is not working.

* External floor sensor is only active when it is connected.

ROOM THERMOSTAT PLACEMENT

Place your Room Thermostat in a room you use frequently in your living space. For example, like the hall or living room of your home. Avoid installing the Room Thermostat in places where there is a lot of air circulation, such as at the doorway or by the window. Also, do not place it close to heating units (heater core, fireplace, etc.) and in direct sunlight. We recommend that the room thermostat is placed at a height of 150 cm from the floor.



ROOM THERMOSTAT TEMPERATURE CALIBRATION

Temperature sensors used in Room Thermostats are very sensitive. Based on the temperature on the thermometers in your living space you need to calibrate your Room Thermostat. For this:

- Press and hold the button for 3 seconds to enter the setting menu.
- Press the button until you see the "CAL" calibration menu. Adjust the desired temperature difference from the calibration menu by turning the button to the right or left.
- Press the button until the device returns to the main menu to save the settings and exit.

Note: Recommended temperature calibration setting is "0.0°C".

ROOM THERMOSTAT HEATING / COOLING MODES

Your Room Thermostat has heating and cooling modes. In order to switch easily between heating and cooling modes:

- Press and hold the button for 3 seconds to enter the setting menu.
- Press the button until the "FUN" menu appears.
- You can switch between "HEA" (heating) and "COA" (cooling) modes by turning the button to right or left in the "FUN" menu.
- Press the button until the device returns to the main menu to save the settings and exit.
- The settings you have made have been saved. Your device will operate with the changed settings.

ROOM THERMOSTAT HYSTERESIS POSITIVE MENU

The hysteresis positive factory setting of your Room Thermostat is 0.5°C. This value can be adjusted between "0.1°C" and "2.0°C". While the hysteresis positive value is 0.5°C, your Room Thermostat will send a command to your heating unit when the room temperature rises 0.5°C above the set temperature. For example, when you set the Room Thermostat to 22.0°C, your heating unit will stop when the room temperature rises to 22.5°C. To change the hysteresis positive setting:

- Press and hold the button for 3 seconds to enter the setting menu.
- Press the button until the "HSP" menu appears.
- In the hysteresis positive menu "HSP", you can adjust the operating sensitivity by turning the button to the right or left.
- Press the button until the device returns to the main menu to save the settings and exit.
- The settings you have made have been saved. Your device will operate with the changed settings.

ROOM THERMOSTAT HYSTERESIS NEGATIVE MENU

The hysteresis negative factory setting of your Room Thermostat is -0.5°C. This value can be adjusted between "-0.1°C" and "-2.0°C". While the hysteresis negative value is -0.5°C, your Room Thermostat will send a command to your heating unit when the room temperature drops 0.5°C below the set temperature. For example, when you set the Room Thermostat to 22.0°C, your heating unit will work when the room temperature drops to 21.5°C. To change the hysteresis negative setting:

- Press and hold the button for 3 seconds to enter the setting menu.
- Press the button until the "HSN" menu appears.
- In the hysteresis negative menu "HSN", you can adjust the operating sensitivity by turning the button to the right or left.
- Press the button until the device returns to the main menu to save the settings and exit.
- The settings you have made have been saved. Your device will operate with the changed settings.

LED MENU

You can set whether the display backlight of your Room Thermostat stays on or off. "LEA" factory setting is off. When "LEA" is off, when you perform an operation on the Room Thermostat, the display backlight will turn. It will turn off 10 minutes after the operation is finished. To keep "LEA" always on:

- Press and hold the button for 3 seconds to enter the setting menu.
- Press the button until the "LEA" menu appears.
- In the "LEA" menu, turn the button to the right to the "On" position.
- Press the button until the device returns to the main menu to save the settings and exit.
- The settings you have made have been saved. Your device will operate with the changed settings.

FLOOR SENSOR TEMPERATURE SETTING MENU

If a floor sensor is installed with Room Thermostat, only GENERAL Life floor sensor should be installed. Otherwise, the product will be out of warranty.

* If a floor sensor is connected, the following settings apply.

The floor sensor operating temperature can be set within the range of minimum "FS0" and maximum "FS1", 10°C o to 40°C. The floor sensor operating sensitivity is 1.0°C. For example, if you set the floor sensor minimum operating temperature "FS0" to 15.0°C, your Room Thermostat starts the heating unit when the floor temperature drops to 14.0°C. When you set the maximum operating temperature "FS1" to 28.0°C, your Room Thermostat stops the heating unit when the floor temperature rises to 29.0°C.

To set the minimum floor sensor operating temperature:

- Press and hold the button for 3 seconds to enter the setting menu.
- Press the button until the "FS0" menu appears.
- In the minimum floor sensor temperature menu that appears, set the operating temperature by turning the button to the right or left.
- Press the button until the device returns to the main menu to save the settings and exit.
- The settings you have made have been saved. Your device will operate with the changed settings.

To set the maximum floor sensor operating temperature:

- Press and hold the button for 3 seconds to enter the setting menu.
- Press the button until the "FS1" menu appears.
- In the maximum floor sensor temperature menu that appears, set the operating temperature by turning the button to the right or left.
- Press the button until the device returns to the main menu to save the settings and exit.
- The settings you have made have been saved. Your device will operate with the changed settings.

KEY LOCK

Your Room Thermostat has a key lock function to avoid any unintended contact. Key lock is not activated in the factory settings of your Room Thermostat. To activate the key lock:

- Press and hold the button for 3 seconds to enter the setting menu.
- Press the button until the "LCK" menu appears.
- While in the "LCK" menu, turn the button to the right and select the "YS" option.
- To save the settings and exit, press the button until the menu closes.
- The settings you have made have been saved and the key lock of your Room Thermostat has been activated.
- To remove the key lock, press and hold the "On/Off" button for 3 seconds and see the "AUTO" symbol will disappear from the display.
- If the button on the Room Thermostat is not pressed for 10 seconds, the key lock will be active again.

OPERATING RANGE SETTING

Your Room Thermostat has an operating range setting. You can set the minimum "ST0" and maximum "ST1" operating temperature of your Room Thermostat between 5°C and 30°C. The minimum operating temperature factory setting is 5°C. The maximum operating temperature factory setting is 30°C.

To set the minimum operating temperature:

- Press and hold the button for 3 seconds to enter the setting menu.
- Press the button until the "ST0" menu appears.
- In the minimum operating temperature menu, set the operating temperature by turning the button to the right or left.

- Press the button until the device returns to the main menu to save the settings and exit.
- The settings you have made have been saved. Your device will operate with the changed settings.

To set the maximum operating temperature:

- Press and hold the button for 3 seconds to enter the setting menu.
- Press the button until the "ST1" menu appears.
- In the maximum operating temperature menu, set the operating temperature by turning the button to the right or left.
- Press the button until the device returns to the main menu to save the settings and exit.
- The settings you have made have been saved. Your device will operate with the changed settings.

DISPLAY MENU

The factory setting for the display menu is "On". When the display menu is in the "OFF" setting, only the ambient temperature appears on the display. Valve Protection - Display Menu Off and Frost Protection are activated. To set the display menu to "OFF":

- Press and hold the button for 3 seconds to enter the setting menu.
- Press the button until the "SCN" menu appears.
- In the "SCN" menu, turn the button to the left to the "OFF" position.
- Press the button until the device returns to the main menu to save the settings and exit.
- The settings you have made have been saved. Your device will operate with the changed settings.

VALVE PROTECTION-DISPLAY MENU OFF

When the display menu of your Room Thermostat is in the "OFF" setting, the heating system operates for 10 minutes every 14 days.

FROST PROTECTION

The frost protection is activated when the ambient temperature drops below 5°C while your Room Thermostat is in heating mode, and the display setting is in "OFF" position, in this case, the snow icon lights up on the display, and the system is switched on. The system is turned off again when the ambient temperature rises above 5°C.

VALVE PROTECTION-DISPLAY MENU ON

In case your heating system is on; when your Room Thermostat is heating, the actuators will remain open for 13 minutes and the power to the actuator will be cut off for 2 minutes. In case your Room Thermostat is not heating, the actuators will remain closed for 13 minutes and the actuator will be powered for 2 minutes. In this way, the lifetime of the actuators is extended.

FACTORY RESET

You can reset the Room Thermostat to its factory default settings. This action resets the calibration setting, heating/cooling modes, hysteresis settings, floor sensor settings, operating range settings and key lock setting to the factory setting. To factory reset your Room Thermostat:

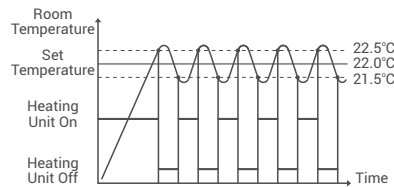
- Press and hold the button for 3 seconds to enter the setting menu.
- Press the button until the "FSE" menu appears.
- While in the "FSE" menu, turn the button to the right or left, select the "YS" option and press the button.
- Your device will return to the main menu and reset to factory settings.

ROOM THERMOSTAT WORKING PRINCIPLE
Heating Mode

As soon as you energize your Room Thermostat, it will start working. Your room thermostat takes the average room temperature of last 40 seconds as basis. If the ambient temperature rises above the hysteresis positive temperature you set, your Room Thermostat turns off the heating unit, and if it drops below hysteresis negative temperature value, it turns on the heating unit. Thus, it is ensured that the ambient temperature remains within a certain range.

If the floor sensor measures temperature above 28°C, it turns off the heating unit.*

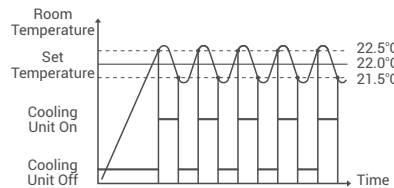
*External floor sensor is only active when it is connected.



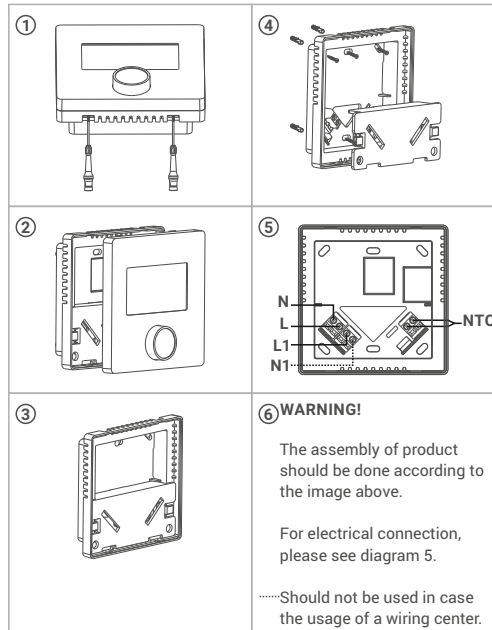
Cooling Mode

As soon as you energize your Room Thermostat, it will start working. Your room thermostat takes the average room temperature of last 40 seconds as basis. If the ambient temperature rises above the hysteresis positive temperature you set, your Room Thermostat will start the cooling unit and if it drops below hysteresis negative temperature value, will stop the cooling unit. Thus, it is ensured that the ambient temperature remains within a certain range.

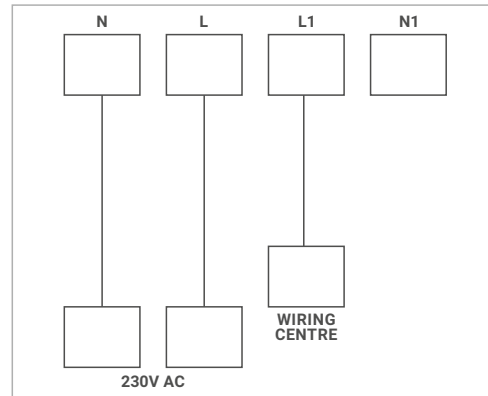
*External floor sensor is deactivated in the cooling mode.



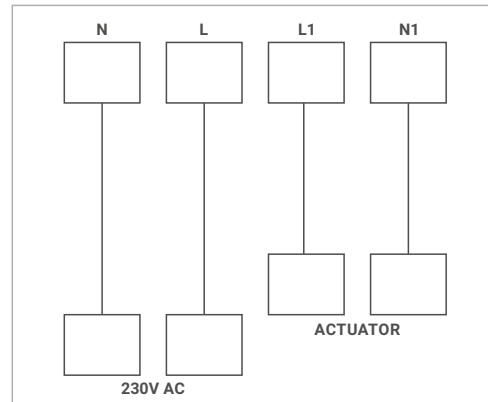
ROOM THERMOSTAT WIRING DIAGRAM



WIRING DIAGRAM FOR ACTUATORS



WIRING DIAGRAM FOR WIRING CENTRE



WARNING!

Operating related to the control panel, heating / cooling unit or electrical installation must be carried out by persons with professional qualifications.

DECLARATION OF CONFORMITY

ISIPARK İÇ VE DIŞ TİC. İNŞ. İSITMA SİSTEMLERİ OTO. SAN.A.Ş. which Head Office and production site is located on Fatih Mah. 1188 Sk. No:13/A Sarıncı-Gazimür - İZMİR - TÜRKİYE confirms and declares that the product marked with CE and its specifications below is covered by the provisions of the mentioned directive.

Brand : GENERAL Life
Product Name : FH25/FH25S/FH26S
Product Type : Underfloor Heating Thermostat
Compatible Directives:

Electromagnetic Compatibility Regulation 2014/30/EU
(EN 61000-6-1:2019, EN 61000-6-3:2021)
Low Voltage Directive 2014/35/EU (IEC 60730-2-9)

Additional Information: The mentioned product can be used with boilers with on / off output and compliance with the directives only covers the product. HERZ is not responsible for the entire system's compliance with the directives. This statement is not valid if changes are made to the product without our approval.



ISIPARK İÇ VE DIŞ TİC. İNŞ. İSITMA SİSTEMLERİ OTO. SAN.A.Ş.
Fatih Mah. 1188 Sok. No:13/A Sarıncı/İZMİR
Tel: (0232) 457 99 00 Fax: (0232) 457 91 22
Mersis No: 0461062137000016
Gazimür V.D. 466 073 1206

WARRANTY CONDITIONS

1-The warranty period starts from the invoice date and warranted against manufacturing defects for 2 years.

2-Devices and apparatus are delivered to the customer in working condition in our company. On-site commissioning is subject to a service fee.

3-The repair of the devices and apparatus covered by the warranty is carried out in our company factory and should send by a contracted transportation company. In on-site services, the transportation and accommodation expenses of the service personnel belong to the customer. The shift fee during transportation is added to the service fee and collected in advance.

4-The maintenance of devices and apparatus is done in our company. For the maintenance of the devices and apparatus, the round travel fares belong to the customer.

5-In case of malfunctioning of the devices and apparatus whose warranty period continues, it is tested in our company whether the malfunction is caused by a customer or manufacturer fault, and it is reported with a report issued by our company.

6-In case of detection of manufacturer-induced errors of devices and apparatus whose warranty period continues, the customer can request a replacement or repair of the devices and apparatus at full expense by the manufacturer, unless it's higher than the product's price.

7-In the event that the faults of the devices and apparatus whose warranty period continues are determined as caused by the customer, all expenses would belong to the customer.

8-Customers should be aware of damages (if there are any) of product and warn manufacturer since the day warranty duration starts. If customer do not warn manufacturer with knowledge of damage, customer loses the rights of article 6.

9-Malfunctions resulting from the use of devices and apparatus contrary to the matters stated in the User Manual are not covered by the warranty.

10-Devices and their apparatus are out of warranty if they are beaten, broken or scratched by the customer.

11-Damages resulting from the use of devices and apparatus belonging to other brands and models without the approval of the manufacturer are not covered by the warranty.

12-Battery leakage and errors due to rust, oxidation, and liquid contact by working in acidic/humid environments are not covered by the warranty.

13-When the product is not used for a long period (more than 15 days), remove the batteries. Otherwise, malfunctions that will occur are out of warranty.

14-Damages that may occur during the transportation of devices and apparatus are not covered by the warranty. Customers can take transportation insurance.

15-Damages caused by mains voltage / faulty electrical installation are not covered by the warranty.

16-Devices and apparatuses are out of warranty for malfunctions caused by force majeure such as fire, flood, earthquake, etc.

17-All of the devices and apparatuses, including all their parts, are under the warranty of our company.

18-In case of malfunction of the devices and apparatuses within the warranty period, the time spent during repairment period is added to the warranty period. The repair period of the product cannot exceed 20 working days. This period starts from the date of notification to the service station of the malfunction related to the product or, in the absence of a service station, to the seller, dealer, agency, representative, importer or manufacturer of the product.

Consumer can report the problem by; phone, fax, e-mail, registered and reply paid letter or a similar way. However, in case of a conflict, responsibility of prove is belong to the customer. If the malfunction of the product is not repaired within 20 working days, the manufacturer-producer or importer; has to allocate another product with similar features to the use of the consumer until the repair of the product is completed.

19-Although the consumer uses his/her repair rights,
-If the product breaks down for 4 times in a year or 6 times in warranty duration and these problems effects main purpose of the product.
(starting from delivery time during warranty.)
-Exceeding the maximum time required for repair,
-In the event that the service station is not available, if it is determined that the repair of the defect is not possible with the report prepared (in order) by one of the seller, dealer, agency, representative, importer or manufacturer, a refund or a price discount at the rate of defect can be requested.

20-The customer can make complaints and appeals to consumer courts or consumer arbitration committees.

21-The warranty document must be kept by the customer during the warranty period. If the document is lost, a second document will not be issued. In case of loss, repair and replacement of devices and apparatus will be made for a fee.

WARRANTY CERTIFICATE

Manufacturer

Title: ISIPARK İÇ DIŞ TİC. A.Ş.
Address: Fatih Mah. 1188 Sk. No:13/A Sarıncı
Gazimür İzmir-TÜRKİYE
Tel: +90 (232) 457 99 50
Fax: +90 (232) 457 91 22
E-mail: generallife@generallife.com.tr
Authorized Signature:
Company Stamp:

Product

Type: Underfloor Heating Thermostat
Brand: GENERAL Life
Model: FH25/FH25S/FH26S
Warranty Period: 2 Years
Max. Time to Repair: 20 Days
Bandrol and Serial Number:



Vendor
Title:

Address:

Tel:

Fax:

E-Mail:

Invoice Date and Number:

Delivery Time and Place:

Authorized Signature:

Company Stamp:

Product

Type: Underfloor Heating Thermostat
Brand: GENERAL Life
Model: FH25/FH25S/FH26S

STAMP

ISIPARK reserves the rights of changing product specifications and user manuals.

*For all changes, you may visit generallife.com.tr