GENERAL LIFE

SMART ROOM THERMOSTAT

generallife.com.tr

SERIES:
MITRA, ADEN, ARUNA, CERES, GAIA, ILLONA, NORA, SENNA, TERRA, THERMA

HT25 SMART/HT25S SMART USER MANUAL

WHAT IS A SMART ROOM THERMOSTAT?
A smart room thermostat is a device that allows you to control your heating equipment via APP with the internet even when you are not at home.

HOW DOES HT25 SMART/HT25S SMART WORK?
HT25 SMART/HT25S SMART is a smart wireless room thermostat. You can control it with the mobile application after you pair your room thermostat with the receiver, and complete the installation of the smart receiver.

WHAT ARE THE ADVANTAGES OF THE HT25 SMART/HT25S SMART?
- You can control your home's temperature via its mobile application, no matter where you are in the world.
- You can easily create daily and weekly schedules via its mobile application.
- You can place the room thermostat anywhere in your home, thanks to its use with batteries.
- It ensures that your living space stays at the desired temperature at any time. In this way, you can save up to 30% on your bills by preventing your heating unit from working unnecessarily.

RULES THAT NEED TO BE OBSERVED FOR SAFETY
1-Be sure to read the user manual before using the device and its equipment.
2-Opening, disassembly, or use of plastic parts of the product and equipment other than the intended purpose are out of warranty.
3-Please make sure that the sockets to which you connect your devices and equipment are at the recommended voltage value in the user manual.
4-Keep away and protect your product and its equipment from all kinds of external substances such as liquid, dust, heat, etc.
5-Do not expose the device cables to any jamming and pressure. Take care to connect the devices' energy connection to the sockets you can always reach.
6-Turn off the electrical power to prevent damage to your device and apparatus in case of lightning and thunderstorms.
7-Turn off the electrical power when your device is not used for a long time.
8-Your devices and equipment should be used by paying attention to the matters stated in the user manual. In case of damage and malfunctions, arising from improper use (contact with liquid, falling to the ground, etc.) definitely ask for the installer's help.
9-Call our service for maintenance and repair of HT25 SMART/HT25S SMART and its equipment. Maintenance and repair of the device and equipment should be carried out only by the technical service of ISIPARK A.S. and its authorized services, spare parts, and accessories specified by the company should be used.

HT25 SMART/HT25S SMART and EQUIPMENT
Room Thermostat Holder Alkaline Battery Receiver Dowels and Screws
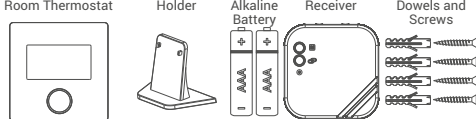
TECHNICAL DATA
Room Thermostat
Dimensions (H/L/W)	85.7mm / 85.7mm / 33.5mm
Operating Current	3V DC (2 x AAA Alkaline Battery)
Temperature Measurement Accuracy	0.1°C
Operating Sensitivity	(-2.0°C) − (+2.0°C)
Operating Temperature Range	(5°C) − (40°C)
Battery Life	1 Year (2 x AAA)
Operating Temperature	(-10°C) − (+50°C)
Storage Temperature	(-20°C) − (+60°C)

Receiver
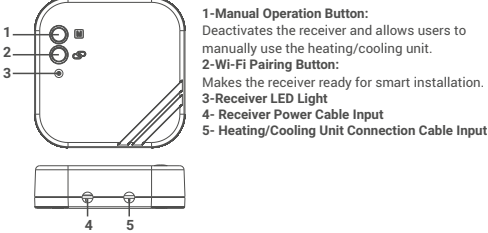|	
Dimensions (H/L/W)	90mm / 90mm / 25mm
Operating Current	230V AC
Relay NO Switching Current	7A (240VAC − Resistive Load) 10A (120VAC − Resistive Load)
Storage Temperature	(-20°C) − (+60°C)

ROOM THERMOSTAT
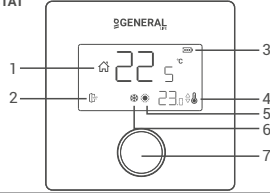
1	⌂	Room Temperature
2		Open Window Detection Feature
3		Battery Indicator
4		Set Temperature
5	☀	Heating Indicator - If the Heating Indicator is blinking, the heating unit is working. - If the Heating Indicator is steady, the heating unit is not working.
6	❄	Cooling Indicator - If the Cooling Indicator is blinking, the cooling unit is working. - If the Cooling Indicator is steady, the cooling unit is not working.
7		ON/OFF and Temperature Setting Button

Note: During active use of the room thermostat, the symbols indicated by 4, 5 and 6 will not appear on the screen.

RECEIVER

1-Manual Operation Button:
Deactivates the receiver and allows users to manually use the heating/cooling unit.
2-Wi-Fi Pairing Button:
Makes the receiver ready for smart installation.
3-Receiver LED Light
4- Receiver Power Cable Input
5- Heating/Cooling Unit Connection Cable Input

### RECEIVER LED DESCRIPTIONS
Blinking Red	The receiver did not get any signal from the heating/cooling unit for 22 minutes or longer and the heating/cooling unit has shut down.
Fast Blinking Red	Waiting for a pairing signal from the room thermostat.
Steady Red	The receiver and the room thermostat have been paired. Smart installation has not been completed.
Blinking Green	The receiver is in Bluetooth searching mode.
Steady Green	Smart installation has been completed. The heating/cooling unit is not working.
Steady Turquoise	The heating/cooling unit is working.
3 Short Red Blinking	Shut the heating/cooling unit down signal has reached the receiver.
3 Short Green Blinking	Operate the heating/cooling unit signal has reached the receiver.
Blinking Red and Green	The heating/cooling unit is working in manual mode.

ROOM THERMOSTAT PLACEMENT
The room thermostat needs to be placed in the room which is used most frequently. For instance; the living room or lounge. Placing the room thermostat in a spot that has air circulation like the entrance of a room or the side of the window should be avoided. Also anywhere close to heating/cooling units such as a radiator, stove, and spots that get direct sun lights would not be suitable. The room thermostat needs to be located above the floor 150 cm in height. Few trials may be made to find the most convenient spot.

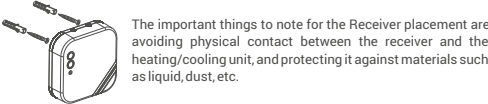### BATTERY PLACEMENT
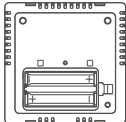
Remove the battery cover located on the back of your Room Thermostat. Insert 2 new AAA alkaline batteries into the battery housing with the correct battery direction and close the battery cover. Replace both batteries at the same time.
Low Battery Warning: When the " Lb " icon appears on the screen, it means "low battery warning". It is recommended to replace the batteries when this warning appears.
Warning: When the product is not used for a long period (more than 15 days), remove the batteries. Otherwise, malfunctions that may occur would be out of warranty. Please throw your dead batteries into the waste bin for batteries.

RECEIVER PLACEMENT

The important things to note for the Receiver placement are avoiding physical contact between the receiver and the heating/cooling unit, and protecting it against materials such as liquid, dust, etc.

The devices should be placed to minimize the damage to the received and transmitted signals by paying attention to the following points;

- The devices should not be mounted on metal surfaces.
- The devices should not be installed close to electrical cables and electronic equipment such as computers and television units.
- The devices should not be installed near large metal structures or other building materials using fine metal meshes such as special glass or special concrete.
- Distance between the room thermostat and the Receiver should not exceed 20 meters or 2 floors.
- The receiver must be installed at least 50 cm away from the heating/cooling unit.

RECEIVER INSTALLATION
- First, shut down your heating/cooling unit and your heating/cooling unit's power source with all electrical current (fuse, socket, etc.)
- As shown in the connection diagram, connect one end of the heating/cooling unit connection cable to the COM and the other to the NO input of the receiver.
- Connect the other ends of the cable -which you connected to the receiver- to the room thermostat connection terminal as shown in your heating/cooling unit's user manual.
- You must first connect the receiver power cable to the receiver and then to the fuse to which the heating/cooling unit is connected.
- After completing the cable connection process, first, turn on your fuse and then your heating/cooling unit.
- Finish the installation of the room thermostat to pair the receiver with the room thermostat.

RECEIVER WIRING DIAGRAM
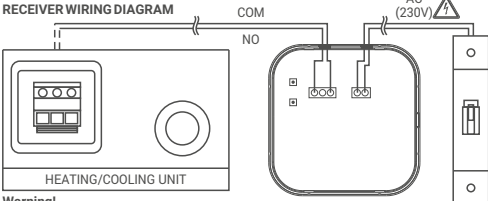
Warning!
Operations within the heating/cooling unit or the electrical installation must be carried out by professionally qualified persons.

PAIRING THE ROOM THERMOSTAT WITH THE RECEIVER
- To pair the room thermostat with the receiver, press the "Manual Operation Button" and "Wi-Fi Pairing Button" together at the same time and see the receiver's fast blinking red LED.
- Press the button for 3 seconds while your device is turned off.
- Press the button until " Ad- " the pairing menu appears.
- Turn your room thermostat's button while the LED is fast blinking red.
- If the pairing is successful, the fast red flashing LED on the receiver will be steady.
- The receiver and room thermostat have been paired with each other.

SMART RECEIVER SETUP
- For smart receiver setup, download the application from App Store or Google Play or scan the QR code below with your smartphone. In this way, you will be able to download the mobile application from App Store or Google Play to your smartphone. (You may be required to have a QR code reader application depending on the brand and model of your phone, for this process.)

Click to download.

- Complete the user registration process by opening the mobile application that you downloaded.
- Open the Bluetooth from your mobile phone's settings.
- After you completed the user registration process, press the "+" button in the top-right corner of the main screen of the application, Press the receiver's Wi-Fi pairing button for 5 seconds.
- The LED on the receiver will start to blink green.
- Setup will begin with Bluetooth in the application. When the device is found, press the "Add" button.
- Press the "+" button near the W Modem device and press the "Next" button after making sure that you entered the correct Wi-Fi information.
- Wait until the setup process is completed. When you saw the green approval symbol on the W Modem, press the "Done" button in the top-right corner.

ROOM THERMOSTAT TEMPERATURE CALIBRATION
Temperature sensors which are used in room thermostats are highly sensitive. You may need to calibrate your room thermostat if you would like to get the same temperature values as other thermometers in your living space.
- While your device is turned off, press the button for 3 seconds.
- Press the button until the "CAL" menu appears. To see the desired temperature, set the temperature difference by turning the button right or left. This value can be arranged between "-8°C" and "+8°C".
- To save the settings and exit, press the button until the device turns off.
- **Note:** Recommended temperature calibration 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:
- While your device is turned off, press and hold the button for 3 seconds.
- Press the button until the "FUn" menu appears.
- You can switch between "HEA" (heating) and "CDo" (cooling) modes by turning the button to right or left in the "FUn" menu.
- To save the settings and exit, press the button until the device turns off.
- The settings you have made have been saved. Once you turned on your device, it 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 may be adjusted between "0.1°C" and "2.0°C". While the hysteresis positive value is 0.5°C, if the room temperature goes above 0.5°C of the set temperature, your room thermostat will send a signal to your heating/cooling unit. For instance, when you set your room thermostat to 22.0°C, if the room temperature goes above 22.5°C, on the heating mode your heating unit will stop working; on the cooling mode your cooling unit will start working. To change the hysteresis positive setting:
- While your device is turned off, press and hold the button for 3 seconds.
- Press the button until the "HSP" menu appears.
- Adjust the operating sensitivity by turning the button right or left in the " HSP " hysteresis positive menu. To save the settings and exit, press the button until the device turns off.
- Changes have been saved. Your room thermostat will be working with set operating sensitivity when you open your device.

ROOM THERMOSTAT HYSTERESIS NEGATIVE MENU
The hysteresis negative factory setting of your room thermostat is -0.5°C. This value may be adjusted between "-0.1°C" and "-2.0°C". While the hysteresis negative value is -0.5°C, if the room temperature goes below 0.5°C of the set temperature, your room thermostat will send a signal to your heating/cooling unit. For instance, when you set your room thermostat to 22°C, if the room temperature goes below 21.5°C, on the heating mode your heating unit will start working; on the cooling mode your cooling unit will stop working. To change the hysteresis negative setting:
- While your device is turned off, press and hold the button for 3 seconds.
- Press the button until the " HSn " menu appears.
- Adjust the operating sensitivity by turning the button right or left in the " HSn " hysteresis negative menu. To save the settings and exit, press the button until the device turns off.
- Changes have been saved. Your room thermostat will be working with set operating sensitivity when you open your device.

OPEN WINDOW DETECTION FEATURE

If a window is left open, cold air will enter and the temperature in the room will drop rapidly. In cooling systems, hot air will enter and the temperature in the room will rise rapidly. The Room Thermostat, which detects this situation, tries to keep the room temperature at the desired level by operating the heating or cooling system more. The open window detection feature allows the Room Thermostat to operate the heating/cooling system more efficiently in case the temperature in the room drops or rises rapidly.

This feature is used to save energy and to ensure more efficient operation of heating and ccoling systems. Thanks to the open window detection feature, unnecessary energy expenditure is prevented and allows the user to save energy costs.

When the Room Thermostat is in heating mode and the Open window detection feature is active, if it detects a sudden drop in room temperature up to the degree adjusted in the Set menu (factory setting 5℃) within 15 minutes, it switches to alarm status, the open window icon flashes on the display of the Room Thermostat and switches off the heating/cooling unit. The heating/cooling unit remains off for the time adjusted in the Run Menu. If the Room Thermostat detects that the window is closed or if a manual intervention is made on the Room Thermostat, the detection is deactivated and heating/coolin unit continues to operate from where it left off. If a sudden drop in ambient temperature is detected again, the Room Thermostat goes into alarm status.

If the Room Thermostat is operated in cooling mode, the sudden temperature rise in taken to consideration.

This feature is active in factory setting.

It can be deactivated from the Room Thermostat settings.

To deactivate the open window detection feature:
- Press the "ON/OFF" button for 3 seconds while your device is turned off.
- Press the "ON/OFF" button until the " oP₁ " menu appears.
- While in the " oP₁ " menu, turn the button to left. The " n0 " option will appear.
- To save the settings and exit, press the "ON/OFF" button until the device turns off.
- The settings you have made are saved. Your device will work with the setting you have made when you open it.
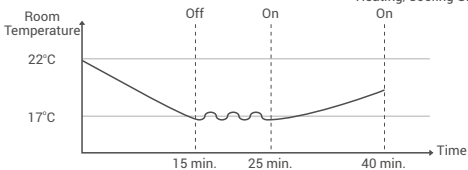
OPEN WINDOW DETECTION OPERATION SETTINGS
- SET MENU

Set Menu allows you to set the value of the sudden temperature change (celsius) required for your Room Thermostat to activate the open window detection feature. The factory setting of the required sudden temperature change value is 5℃. This value can be adjusted between 2℃ and 10℃.

To change the open window operating temperature:
- Press and hold the button for 3 seconds while the device is switched off.
- Press the button until the " SEt " menu appears.
- In the " SEt " menu that appears, adjust the operating temperature by turning the button to the right or left.
- To save the settings and exit, press the button until the device switches off.
- The settings you have made have been saved. Once you turn on your device, it will operate with the changed settings.

- RUN MENU

Run Menu allows you to set the off time of the heating/cooling unit while the open window detection feature of your Room Thermostat is active. The factory setting for off time is 10 minutes.

To set the off time:
- Press and hold the button for 3 seconds while your device is switched off.
- Press the button until the " run " menu appears.
- Set the operating time of the open window detection feature by turning the button to the right or left in the " run " menu.
- To save the settings and exit, press the button until the device switches off.
- The settings you have made have been saven. Once you turn on your device, it will operate with the changed settings.

FACTORY SETTINGS RESET

You can reset your Room Thermostat to its default factory settings. This operation resets the calibration setting, heating/cooling modes and hysteresis settings to factory setting. To reset your Room Thermostat to factory setting:
- While your device is turned off, press and hold the button for 3 seconds.
- Press the button until the " rSt " menu appears.
- While in the " rSt " menu, turn the button to right or left in order to select " YS " option and press the button.
- Your device will be turned off and reset to factory settings.

ROOM THERMOSTAT WORKING LOGIC

Heating Mode

Your room thermostat takes the average room temperature of last 40 seconds as basis. If the room temperature goes above the hysteresis positive temperature value you set, your Room Thermostat will stop the heating unit. If it goes below the hysteresis negative temperature value, your Room Thermostat will start the heating unit. Thus, it ensures that the room temperature remains within a certain range.
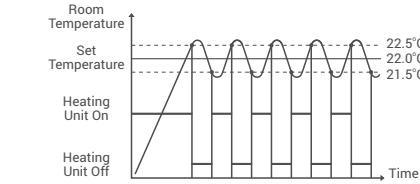
Cooling Mode

Your Room Thermostat takes the average room temperature of last 40 seconds as basis. If the room temperature goes above the hysteresis positive temperature value you set, your Room Thermostat will start the cooling unit. If it goes below the hysteresis negative temperature value, your Room Thermostat will stop the cooling unit. Thus, it ensures that the room temperature remains within a certain range.
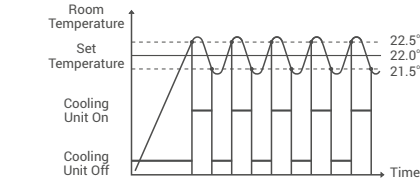
Your Room Thermostat sends the last status signal to the Receiver every 3 minutes. Thus, your Room Thermostat and Receiver work synchronously. If the signal cannot reach to the Receiver from the Room Thermostat for 22 minutes, it perceives that the connection is broken and stops the heating/cooling operation for safety reasons. Likewise, in cases where the electricity comes back after a power failure, the Receiver do not operate the heating/cooling unit until 'operate' signal reaches from the Room Thermostat.

However, in this case, if the Room Thermostat continues to operate normally, it will continue to work properly without any need for intervention since it sends a status signal to the Receiver every 3 minutes.

FREQUENTLY ASKED QUESTIONS

- Is my Room Thermostat compatible with my heating/cooling unit?

If your heating / cooling unit has on-off connections, your Room Thermostat is compatible. You can find information about your heating / cooling unit from your heating / cooling unit operating manual or from your heating / cooling unit service.

- How will I connect my heating/cooling unit with my Receiver?

We recommend that the connection between the Receiver and heating/cooling unit should be made by professionally qualified persons.

2x0.75 mm cable is sufficient for the Receiver – heating/cooling unit connection.

Connect one end of the cable pair to the room thermostat connection terminals stated in the user manual of your heating/cooling unit.

Connect the other end of the cable pair to COM and NO inputs of the terminal inside the Receiver as shown in the "RECEIVER WIRING DIAGRAM" section.

The direction of the cable ends does not matter.

DECLARATION OF CONFORMITY

ISIPARK İÇ VE DIŞ TİC. İNŞ. ISITMA SİSTEMLERİ OTO. SAN.A.Ş.which Head Office and production site is located on Fatih Mah. 1188 Sk.No:13/A Sarnıç - Gaziemir - 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 : HT25 SMART/HT25S SMART
Product Type : Smart Room Thermostat

The product manufactured by ISIPARK and mentioned above is connected wirelessly at 2.4 Ghz internet and periodically shares the temperature and status information with the server on the internet.

Compatible Directives:
Radio and Telecommunications Terminal Equipment Regulation
2014/53/EU (ETSI EN 301 489-1 V2.2.3 (2019-11),
ETSI EN 301 489-17 V3.2.4 (2020-09), EN 300 220-1 V3.1.1,
EN 300 220-2 V3.2.1 (2018-06), EN 62479: 2010, EN 62368-1:2014+A11:2017)
Electromagnetic Compatibility Regulation 2014/30/EU
(ETSI EN 301 489-1 V2.2.3, ETSI EN 301 489-3 V2.1.1)
Low Voltage Directive 2014/35/EU (EN 60730-2-9)

Supplementary Information: Mentioned product can be used with combi boilers with on / off output and compatibility with the directive only covers the product. ISIPARK is not responsible for the compliance of the entire system with the directive. This declaration does not apply when changes are made to the product without obtaining our consent.