

HT15 RF/HT15S RF/HT16S RF USER MANUAL

GENERAL SPECIFICATIONS

HT15 RF/HT15S RF/HT16S RF is a wireless room thermostat. The user can adjust the room temperature with the required temperature and get more comfortable and economic heating/cooling.

- Precise Temperature Measurement
- Heating calibration
- Heating/Cooling Modes
- Open Window Detection Feature
- ON/OFF Control
- Wireless Connection
- Hysteresis Settings

HT15 RF/HT15S RF/HT16S RF AND EQUIPMENTS



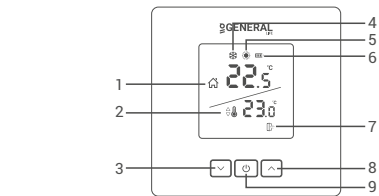
TECHNICAL DATA

| | |
|----------------------------------|----------------------------------|
| Room Thermostat | |
| Dimensions | 85.7mm / 85.7mm / 30.1mm |
| 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) – (30°C) |
| Battery Life | 1 Years (2 x AAA) |
| Operating Temperature | (-10°C) – (+50°C) |
| Storage Temperature | (-20°C) – (+60°C) |

Receiver

| | |
|----------------------------|---|
| Dimensions | 90mm / 90mm / 25mm |
| Operation Current | 230V AC |
| Relay NO Switching Current | 7A (240VAC – Resistive load) 10A (120VAC – Resistive load) |
| Storage Temperature | (-20°C) – (+60°C) |

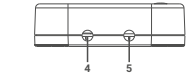
ROOM THERMOSTAT



| | |
|---|---|
| 1 | Room Temperature |
| 2 | Set Temperature |
| 3 | Temperature Adjustment (Decreasing) |
| 4 | 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. |
| 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 | Battery Indicator |
| 7 | Open Window Detection Feature |
| 8 | Temperature Adjustment (Increasing) |
| 9 | ON/OFF and Setting Button |

RECEIVER

- 1-Manual Operation Button: Deactivates the Receiver and allows you to use heating/cooling unit manually.
- 2-Pairing Button: Pairs the Receiver and the Room Thermostat.
- 3-Receiver LED Light
- 4-Receiver Power Cable Input
- 5-Heating/Cooling Unit Connection Cable Input

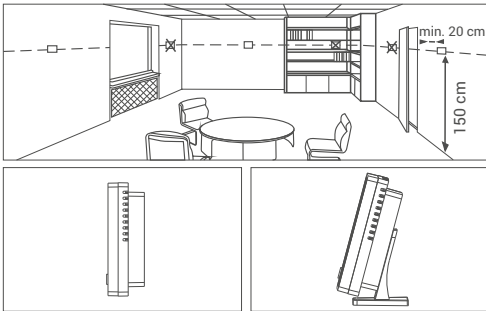


RECEIVER LED DESCRIPTIONS

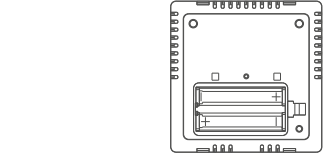
| | |
|-----------------|--|
| Constant Red | Receiver has power but Receiver and Room Thermostat are not paired. |
| Blinking Green | Waiting for pairing signal from the Room Thermostat. |
| Constant Green | Receiver and Room Thermostat are paired. Heating/cooling unit is not operating. |
| 3 Short Orange | Operate the heating/cooling unit signal has reached to the Receiver. |
| Constant Orange | Heating/cooling unit is operating. |
| 3 Short Green | Shut the heating/cooling unit down signal has reached to the Receiver. |
| Blinking Orange | Heating/Cooling unit operates in manual mode. |
| Blinking Red | Receiver did not get any signal from the Room Thermostat for 22 minutes or longer. Heating/cooling unit has shut down. |

ROOM THERMOSTAT PLACEMENT

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



BATTERY PLACEMENT

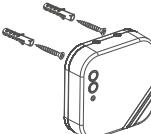


Remove the battery cover located on the back of your Room Thermostat. Insert 2 new AAA alkaline batteries into the battery housing with the correct battery direction and close the battery cover. Replace both batteries at the same time.

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



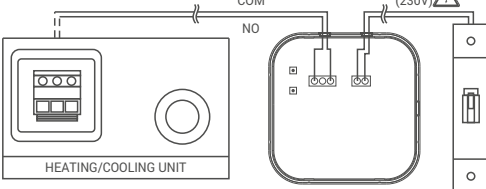
The devices should be placed in order to minimize the damage to the received and transmitted signals by paying attention to the following points;

- 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.
- Receiver must be installed at least 50 cm away from the heating/cooling unit.

RECEIVER SETUP

- 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 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, firstly turn on your fuse and then your heating/cooling unit.
- By pressing the Receiver's manual usage button for 2 seconds, you should see the Orange Light blinking on the Receiver. In this way, after making sure that the heating/cooling unit is operating, press the same button again for 2 seconds and see that the Orange LED turns off.
- Set up 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 AND THE RECEIVER

- Primarily press the sync button of the Receiver for 2 seconds and see blinking green light of the Receiver.
- While your device is turned off, press and hold the "ON/OFF" button for 3 seconds.
- Press the "ON/OFF" button until the "Rd." menu appears.
- Press the "Up" or "Down" button of your Room Thermostat while the LED is flashing green.
- If the pairing is successful, the green flashing LED on the Receiver will be steady.
- Receiver and Room Thermostat have been paired to each other.

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 with other thermometers in your living space.

- While your device is turned off, press and hold the "On/Off" button for 3 seconds.
- Press the "On/Off" button until the "CL" menu appears. In order to see the desired temperature, set the temperature difference by pressing the "Temperature Adjustment Buttons". This value can be arranged between "-8°C" and "+8°C".
- In order to save the settings and exit, press the "On/Off" 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 "On/Off" button for 3 seconds.
- Press the "On / Off" button until the "FUn" menu appears.
- You can switch between "Hc" (heating) and "Cd" (cooling) modes by using the "Up" or "Down" buttons in the "FUn" menu.
- To save the settings and exit, press the "On / Off" 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

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 hysteresis positive value is 0.5°C, if the room temperature goes above 0.5°C of 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 heating mode your heating unit will stop working; on cooling mode your cooling unit will start working. In order to change the hysteresis positive setting:

- While your device is turned off, press and hold the "On/Off" button for 3 seconds.
- Press the "On/Off" button until the "H5n" menu appears.
- Adjust the operating sensitivity by using the "Up" and "Down" buttons in the "H5n" hysteresis positive menu. In order to save the settings and exit, press the "On/Off" button until the device turns off or wait for 10 seconds.
- Changes have been saved. Your room thermostat will be working with set operating sensitivity when you open your device.

ROOM THERMOSTAT HYSTERESIS NEGATIVE MENU

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 hysteresis negative value is -0.5°C, if the room temperature goes below 0.5°C of 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 heating mode your heating unit will start working; on cooling mode your cooling unit will stop working. In order to change the hysteresis negative setting:

- While your device is turned off, press and hold the "On/Off" button for 3 seconds.
- Press the "On/Off" button until the "H5n" menu appears.
- Adjust the operating sensitivity by using the "Up" and "Down" buttons in the "H5n" hysteresis negative menu. In order to save the settings and exit, press the "On/Off" button until the device turns off or wait for 10 seconds.
- Changes have been saved. Your room thermostat will be working with set operating sensitivity when you open your device.

OPEN WINDOW DETECTION FEATURE

Your room thermostat measures sudden temperature changes in your house with its open window detection feature and prevents unnecessary energy consumption by turning off the heating/cooling unit.

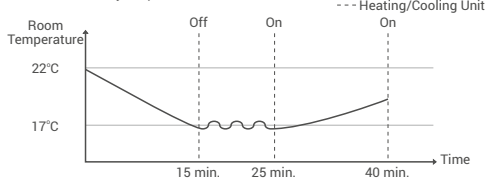
The room thermostat is switched to heating mode while the detection is active. If a decrease in room temperature of more than 5 degrees is detected within 15 minutes, the room thermostat switches to the alarm state and turns off the heating system.

The heating unit remains switched off for 10 minutes unless manual intervention is performed on the room thermostat. A warning appears on the device screen that an open window has been detected. The heating unit is activated at the end of 10 minutes. If the room thermostat detects that the window is closed, the heating unit continues to work. If the temperature continues to drop, the heating unit is turned off again.

If the room Thermostat is operated in cooling mode, a sudden temperature rise is taken into account.

This feature can be enabled/disabled from the room thermostat settings:

- Press the "ON/OFF" button for 3 seconds while your device is turned off.
- Press the "ON/OFF" button until the "QP" menu appears.
- Press the "Up" or "Down" button while in the "QP" menu to choose the "On" or "Off" option and press the "ON/OFF" button.
- 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.



FACTORY SETTINGS RESET

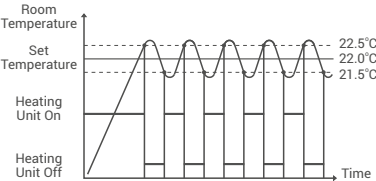
You can reset your Room Thermostat to its default factory settings. This operation resets the calibration setting, heating/cooling modes and hysteresis settings to factory setting. To reset your Room Thermostat to factory setting:

- While your device is turned off, press the "ON/OFF" button for 3 seconds.
- Press the "ON/OFF" button until the "r5 t" menu appears.
- While in the "r5 t" menu, select the "95" option by using the "Up" or "Down" buttons and press the "ON/OFF" button.
- Your device will be turned off and reset to factory settings.

ROOM THERMOSTAT WORKING LOGIC

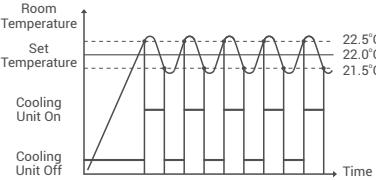
Heating Mode

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 10 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 10 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. İSİTMA SİSTEMLERİ ÖTO. 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: HT15 RF/HT15S RF/HT16S RF
Product Type : Digital Room Thermostat
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)
Additional Information: The mentioned product can be used with heating/cooling units with on / off output and compliance with the directives only covers the product. ISIPARK 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.



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 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 belongs 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 be belong to the customer.
- 8-Customers should be aware of damages (if there is any) of product and warn manufacturer since the day warranty duration starts. If customer do not warn manufacturer with knowledge of damage, customer lose 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 a 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 Sarnıç Gaziemir İzmir-TÜRKİYE
Tel: +90 (232) 457 99 50
Fax: +90 (232) 457 91 22
E-mail: generalife@generalife.com.tr
Authorized Signature:
Company Stamp:

Product
Type: Digital Room Thermostat
Brand: GENERAL Life
Model: HT15 RF/HT15S RF/HT16S RF
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:.....

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STAMP