

DIGITAL FAN COIL THERMOSTAT

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FC220 USER MANUAL

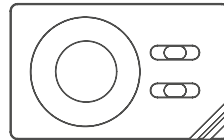
GENERAL SPECIFICATIONS

FC220 is a digital fan coil thermostat. The user can adjust the Fan Coil Thermostat with the required temperature and fan speed to get more comfortable and economic heating/cooling.

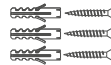
- User Friendly Interface
- Manual heating and cooling option
- Large LCD Display & Backlight
- For 2 pipe systems
- 3 Stage Fan Speed
- Touch Button

FC220 and EQUIPMENTS

FC220 Fan Coil Thermostat



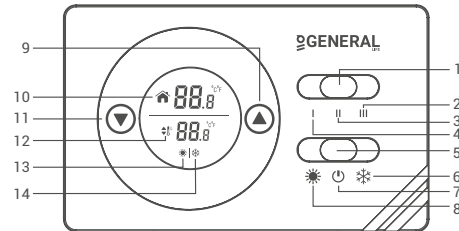
Dowels and Screws



TECHNICAL DATA

Dimensions (H / W / D)	90mm / 145mm / 27mm
Operating Current	110-220V AC 50/60 Hz
Relay NO Switching Current	5A (277VAC - Resistive Load) 3A (30VDC - Resistive Load)
Temperature Measurement Accuracy	0.1°C
Operating Sensivity	0.1°C - 1.0°C
Operating Temperature Range	(5°C) - (35°C)
Operating Temperature	(-10°C) - (+50°C)
Storage Temperature	(-20°C) - (+60°C)

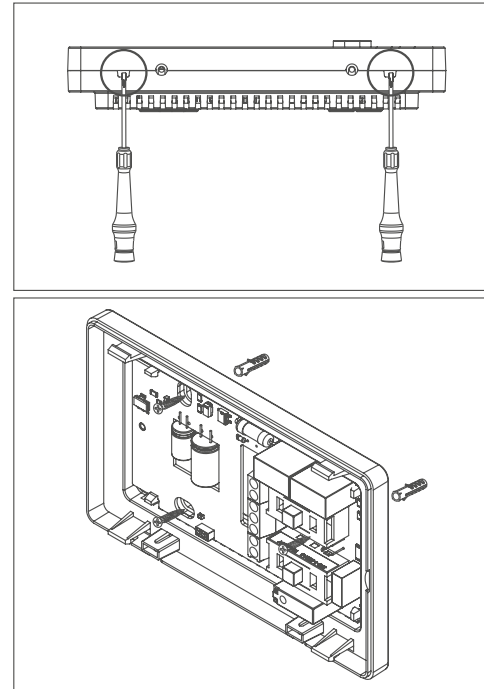
FAN COIL THERMOSTAT



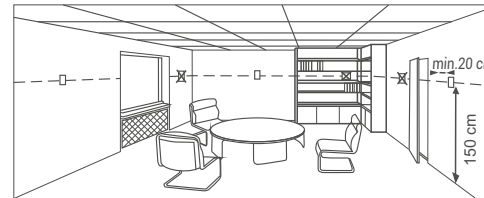
1	Fan Speed Adjustment Button
2	High Fan Speed Symbol
3	Medium Fan Speed Symbol
4	Low Fan Speed Symbol
5	ON/OFF and Mode Select Button
6	Cooling Mode Symbol
7	Off Symbol
8	Heating Mode Symbol
9	Temperature Adjustment Button (Increase)
10	Room Temperature
11	Temperature Adjustment Button (Decrease)
12	Set Temperature
13	Heating Mode Fan Coil is operating
14	Cooling Mode Fan Coil is operating

FAN COIL THERMOSTAT PLACEMENT

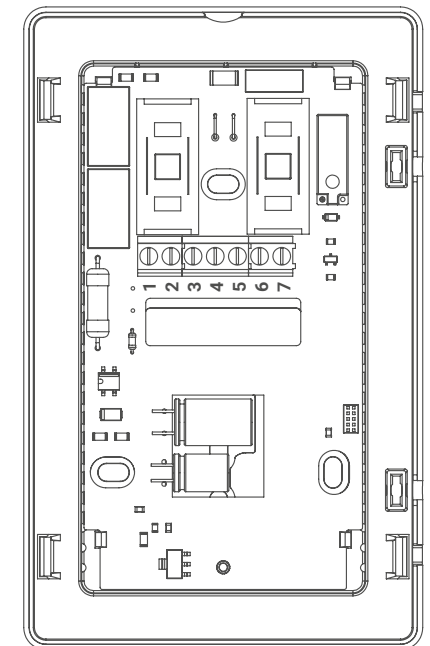
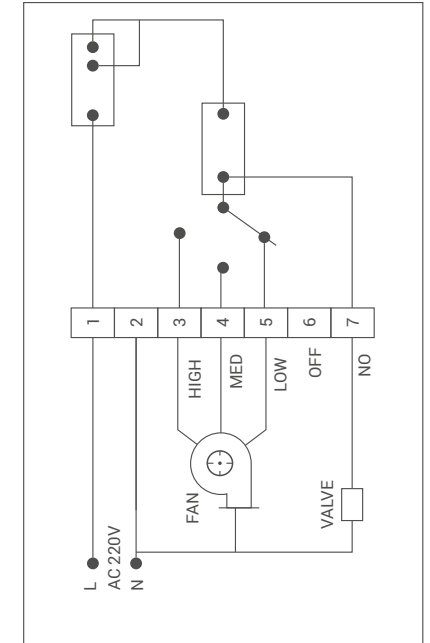
In order to mount FC220 to the wall, separate the upper case from the bottom case with the help of a screwdriver from the places as shown below.



Fan Coil Thermostat needs to be placed in the room which is used most frequently. For instance; living room or lounge. Placing the Fan Coil 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 units (such as radiator, stove, etc.) and spots where get direct sun lights would not be suitable. Fan Coil Thermostat needs to be located above the floor 150 cm height. Few trials may be made to find the most convenient spot.



FAN COIL THERMOSTAT WIRING DIAGRAM



FC220 USER MANUAL

FC220 SETTINGS MENU

While your device is on, regardless of heating or cooling mode , press and hold the temperature adjustment buttons “” , “” at the same time for 2 seconds.

1st Menu which is Temperature Calibration Menu will appear on the screen. You can use “” or “” buttons to switch between menus.

In order to enter the menu you want to adjust, press and hold the temperature adjustment buttons “” , “” at the same time for 2 seconds.

After adjustments are completed, press and hold the temperature adjustment buttons “” , “” at the same time for 2 seconds to exit the menu.

In order to exit the settings menu completely, press and hold the temperature adjustment buttons “” , “” at the same time for 2 seconds while in the 6th menu.

The settings you made have been saved and your Fan Coil Thermostat has returned to the main screen.

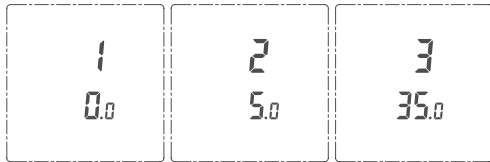


Image 1



Image 2



Image 3

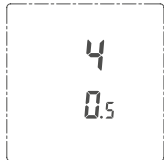


Image 4



Image 5

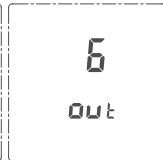


Image 6

Settings Menu respectively;

- **Calibration Menu (See Image 1)**

Temperature sensors used in Fan Coil Thermostats are highly precise. If you want to synchronize the temperature with the thermometers in your living space, you need to calibrate your Fancoil Thermostat. In order to do this:

Set the temperature difference you want from the calibration menu you see by pressing “” or “” . This value can be adjusted between “-8°C” and “+8°C” .

Note: Recommended temperature calibration setting is “0.0°C” .

- **Operating Range Minimum Temperature Set Value Menu (See Image 2)**

In this menu, you can change the operating range minimum temperature set value while using your Fan Coil Thermostat. This value is 5.0°C by default.

- **Operating Range Maximum Temperature Set Value Menu (See Image 3)**

In this menu, you can change the operating range maximum temperature set value while using your Fan Coil Thermostat. This value is 35.0°C by default.

- **Hysteresis Menu (See Image 4)**

Your Fancoil Thermostat has a 0.5°C operating sensitivity by default. This value can be adjusted between “-0.1°C” and “+1.0°C” .

- **Temperature Unit Menu (See Image 5)**

Your Fancoil Thermostat operates in Celsius unit by default. In this menu, you can change the temperature unit to Celsius or Fahrenheit.

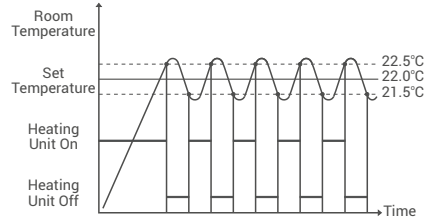
- **Exit(See Image 6)**

The exit menu saves the changes you have made and allows you to use your Fan Coil Thermostat.

FAN COIL THERMOSTAT WORKING LOGIC

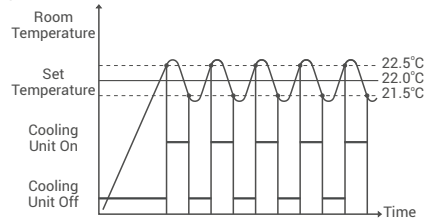
Heating Mode

Your Fan Coil Thermostat measures the temperature of its environment every 5 seconds. If the ambient temperature rises 0.5 degrees above the temperature you have set, your Fan Coil Thermostat will stop the operation of fan coil unit, if it falls below 0.5 degrees, it initiates the operation of fan coil unit. Thus, it ensures that the ambient temperature remains within a certain range.



Cooling Mode

Your Fan Coil Thermostat measures the temperature of its environment every 5 seconds. If the ambient temperature rises 0.5 degrees above the temperature you set, your Fan Coil Thermostat will initiate the operation of fan coil unit, if it falls below 0,5 degrees, it stops the operation of fan coil unit. Thus, it ensures that the ambient temperature remains within a certain range.



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 Sarnıç - Gaziemir - İZMİR – TÜRKİYE 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 : FC220
 Product Type : Digital Fan Coil Thermostat
 Compatible Directives:
 Electromagnetic Compatibility Regulation 2014/30/EU
 (EMC EN 61000-6-3: 2007 + A1: 2011, EN 61000-6-1: 2007)
 Low Voltage Directive 2014/35/EU
 (LVD EN 60730-2-9:2010, EN 60730-1:2011)

Additional Information: The mentioned product can be used with 2 pipe fan coil systems 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 5 years.

2-Devices and equipments 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 equipments are 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 equipments are done in our company. For the maintenance of the devices and equipments, the round travel fares belongs to the customer.

5-In case of malfunctioning of the devices and equipments 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 equipments whose warranty period continues, the customer can request a replacement or repair of the devices and equipments 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 equipments 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 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 equipments contrary to the matters stated in the User Manual are not covered by the warranty.

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

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

12-Errors that may occur due to rust, oxidation and liquid contact working in acidic / humid environments are not covered by the warranty.

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

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

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

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

17-In case of malfunction of the devices and equipments 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,

18-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.

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

20-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 equipments will be made for a fee.

WARRANTY CERTIFICATE

Manufacturer
 Title: ISIPARK İÇ DIŞ TİC. A.Ş.
 Adress: 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: generallife@generallife.com.tr
 Authorised Signatory:
 Company Stamp:

Product
 Type: Digital Fan Coil Thermostat
 Brand: GENERAL Life
 Model: FC220
 Guarantee Period: 5 Years
 Max. Time to Repair: 20 Days
 Banderole and Serial Number:

Vendor
 Title:
 Adress:
 Tel: Fax:
 E-mail: Invoice Date and Number.
 Delivery Time and Place:
 Authorised Signatory:
 Company Stamp:

Product
 Type: Digital Fan Coil Thermostat
 Brand: GENERAL Life
 Model: FC220

STAMP