

USER'S GUIDE

CLIMA STAR
silicium technology



SILICIUM SLIM WIRELESS

INDEX

<u>1. INTRODUCTION</u>	<u>4</u>
<u>2. DESCRIPTION.....</u>	<u>5</u>
2.1 SETTING UP AND THERMOSTAT PLACEMENT.....	5
2.2 INSTALLATION INSTRUCTIONS	7
<u>3. USING THE THERMOSTAT.....</u>	<u>9</u>
3.1 DISPLAY CONTROL.....	9
3.2 SCREEN	9
3.3 HOW TO TURN ON AND OFF THE THERMOSTAT	10
3.4 HOW TO PAIR THE THERMOSTAT AND THE RADIATOR.....	10
3.5 WORKING MODES.....	11
3.6 SETTING DATE AND PROGRAMMING	13
<u>4. MAINTENANCE</u>	<u>17</u>
<u>5. TECHNICAL CHARACTERISTICS</u>	<u>17</u>
<u>6. FAQs.....</u>	<u>18</u>
<u>7. GUARANTEE</u>	<u>19</u>

1. INTRODUCTION

Congratulations on your purchase of your SILICIUM SLIM low consumption heater!!

The product you have just purchased has undergone numerous tests and inspections to guarantee the highest quality.

We hope it will give you entire satisfaction.

Please, read carefully this user's guide before installing your device.

- Make sure the supply voltage corresponds with that on the nameplate (located on the left side of the device).
- The Schuko plug must be connected to a compatible Schuko socket.
- Do not place the device right under an electrical outlet.
- If the supply cord is damaged, it must be replaced by the manufacturer, its after sales service or any other qualified person.
- Not intended for children under the age of 3 unless duly supervised.
- Children over 3 and below the age of 8 must only turn on/off the device whenever it has been duly placed or installed, has been given supervision or instructions concerning use of the appliance. Children from 3 to 8 must not plug, regulate and clean the device, nor carry out any maintenance activity.
- Not intended for use by persons (including children over 8) with reduced, physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children must not play with the device. Cleaning and maintenance must not be carried out by children without prior supervision.
- WARNING:** some parts of this device may overheat and cause burns. Pay special attention when children and vulnerable people are around



To avoid possible overheating, do not cover the device.

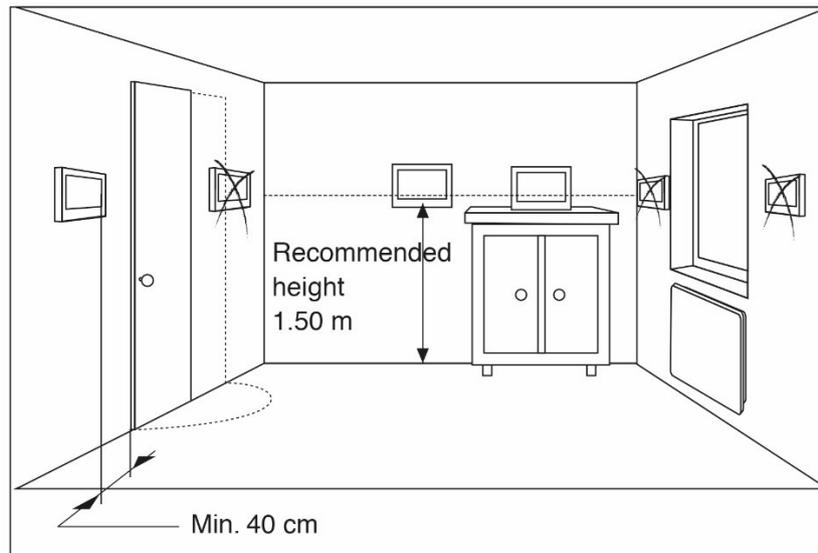
2. DESCRIPTION

The following parts (2) are supplied: a digital thermostat to control the radiator and a radiator to fix on the wall.

2.1 SETTING UP AND THERMOSTAT PLACEMENT

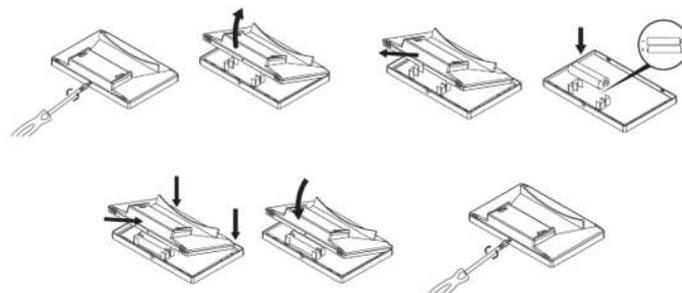
Proper thermostat placement makes your heating more efficient.

The temperature sensor is inside the thermostat. Take into account the following:



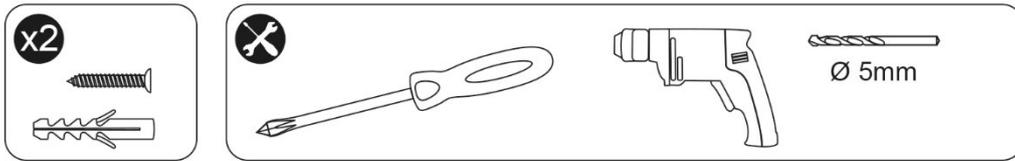
- Place the thermostat on a wall, on an easy-access shelf or a piece of furniture, at a height of 1,50 m.
- Do not locate your thermostat where it can be exposed to direct sunlight (chimneys, sunlight exposure) nor near airflows (windows, doors).
- Place it on an interior wall.

Battery placement



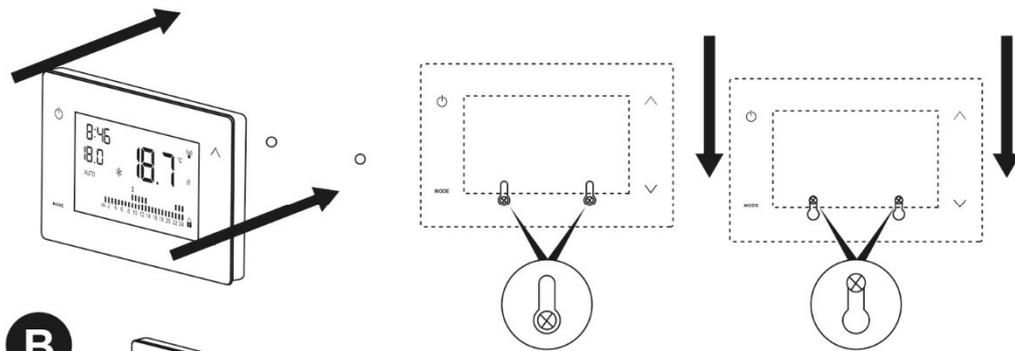
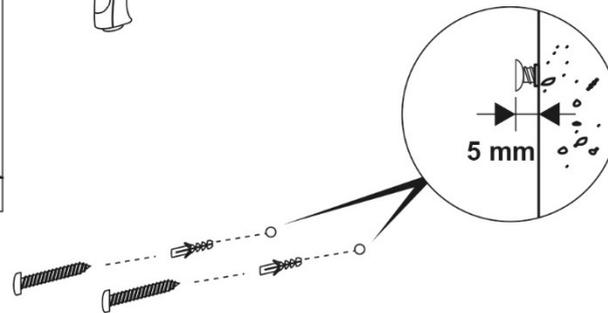
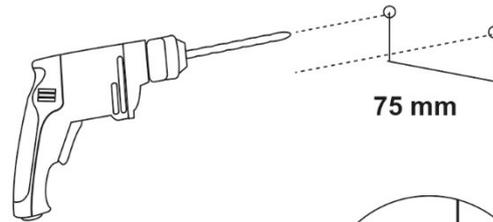
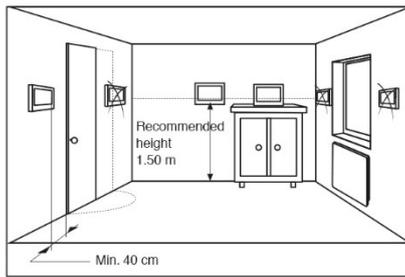
Do not use rechargeable batteries.
Use only alkaline batteries.

Thermostat placement

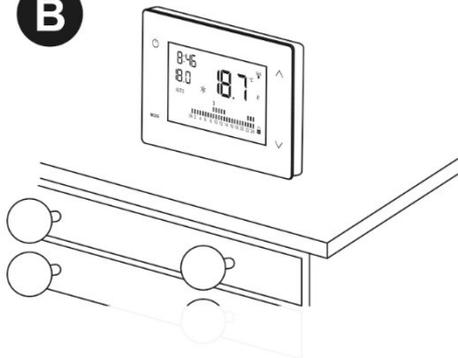


A

! CHECK



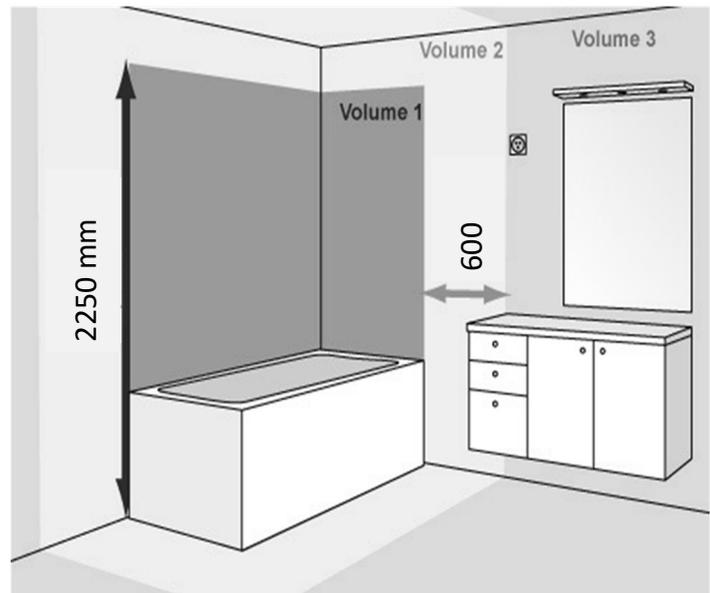
B



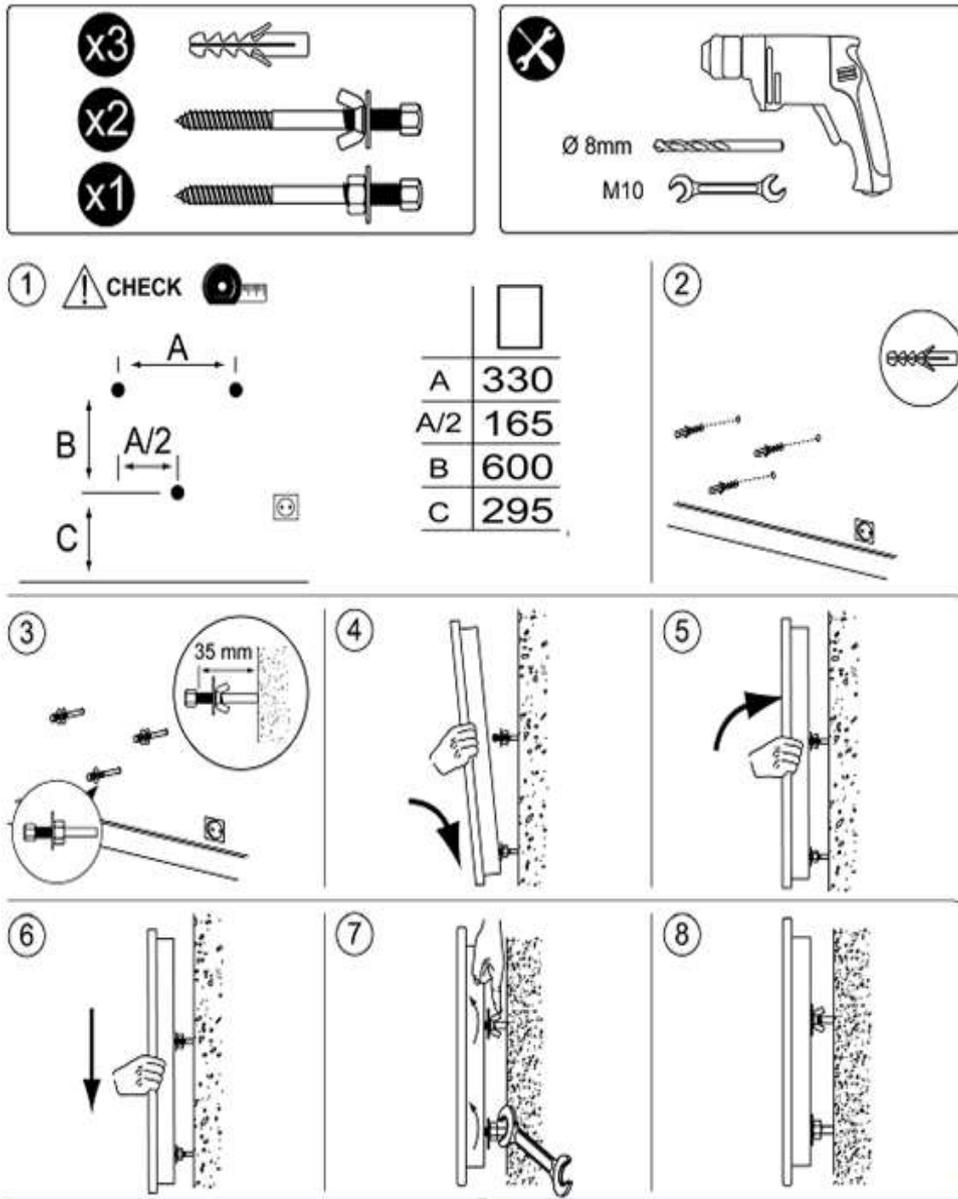
2.2 INSTALLATION INSTRUCTIONS

- The device includes a mounting kit with the required hardware (plugs, screws and Allen key).
- The plugs supplied with the mounting kit cannot be used on dry walls. For this type of wall, special plugs must be used.
- When installing the device on the wall, do not hang it on volume 1 or volume 2 if the device can be manipulated from the shower or bath.

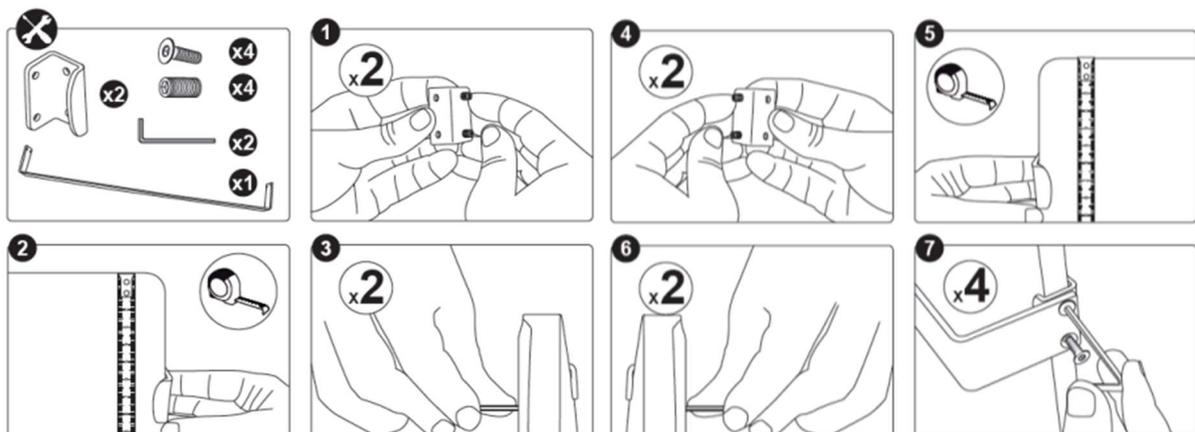
SLIM	
POWER	800 W
Height (mm)	1000
Width (mm)	500
Depth (mm)	40



Once decided where to install the device, remove the packaging and extract the device and its mounting kit.

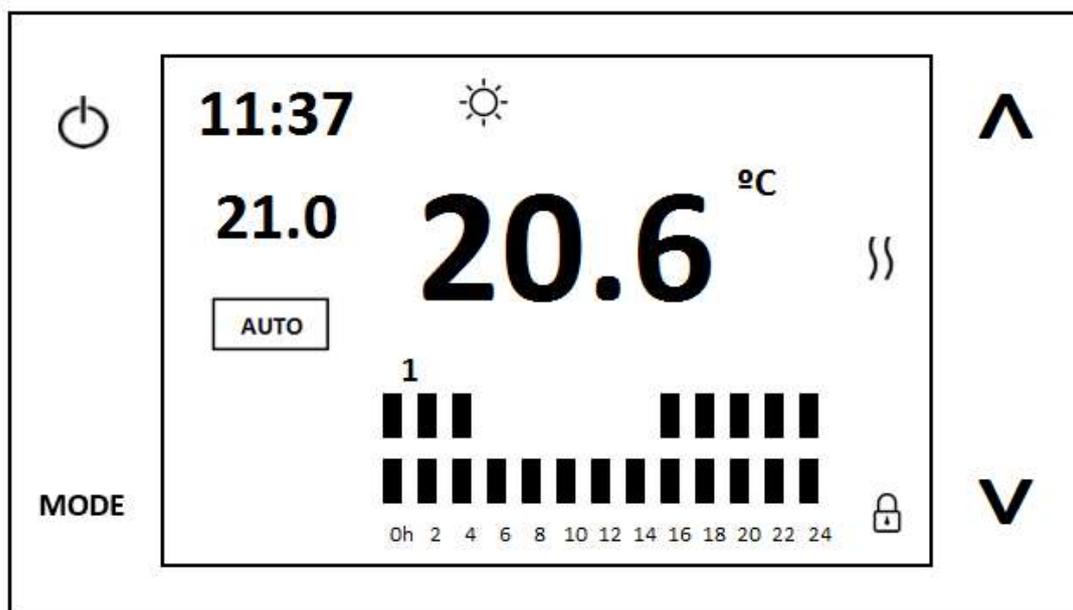


△ Check measures and levelling before drilling. Measures in mm
How to fix the bars



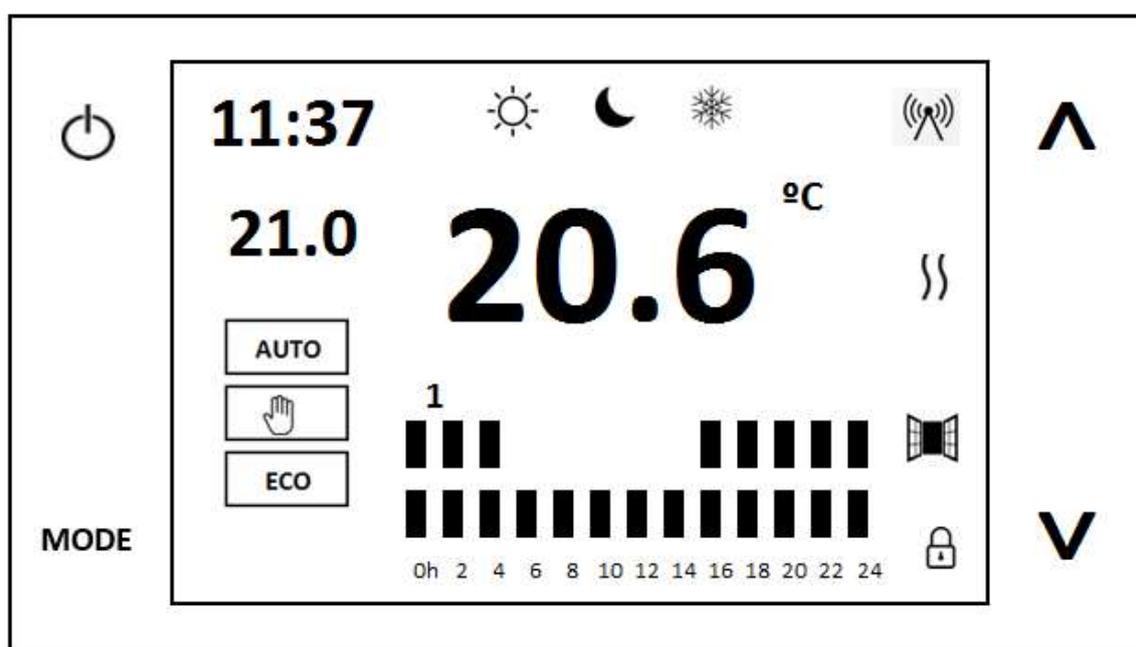
3. USING THE THERMOSTAT

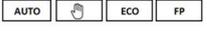
3.1 DISPLAY CONTROL



MODE	Working modes, programme	^	Increase
	Turn on, turn off and validate	v	Decrease

3.2 SCREEN

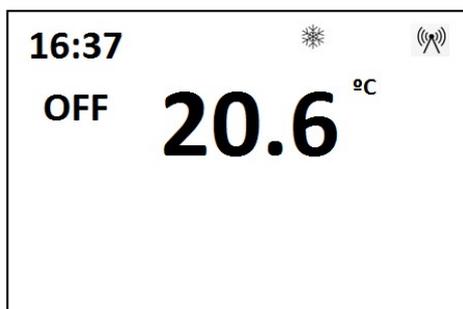


	Temperature selection	21.0	Set temperature
	Working mode	11:37	Current time
	Daily programme	20.6 °C	Room temperature
	Lock function		Open window detector function
	Pairing symbol		Heating element ON

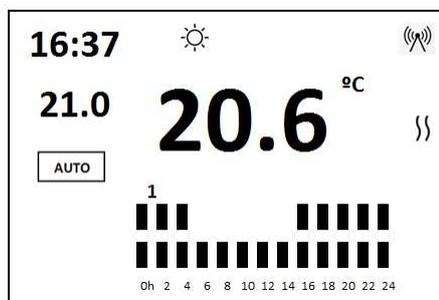
3.3 HOW TO TURN ON AND OFF THE THERMOSTAT

Press  for one second to turn on/off the thermostat.

If the thermostat is OFF, “OFF” word displays on the screen.



Off



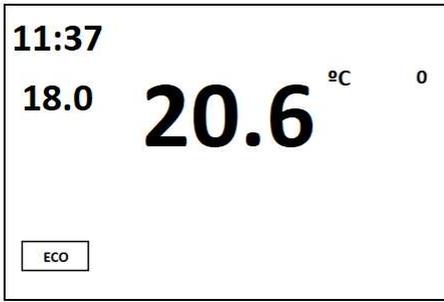
On

3.4 HOW TO PAIR THE THERMOSTAT AND THE RADIATOR

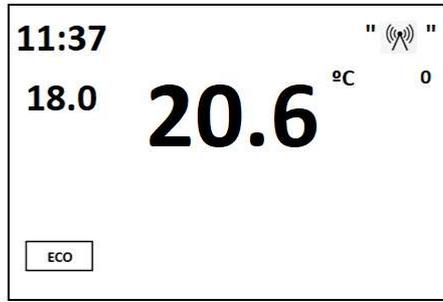
The thermostat can control up to 5 radiators.

To make the thermostat search and pair one or several heaters, **press  until 0 (see picture 1) is shown on display.** The RF icon starts flashing slowly (see picture 2). Now, turn on the radiator or radiators by pressing the switch on the right side of the device.

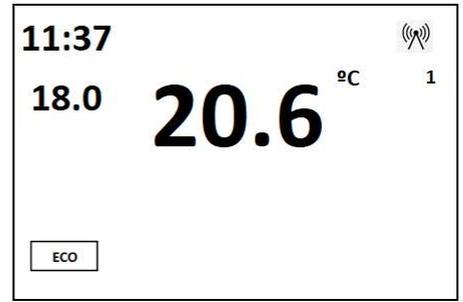
It will search for 60 seconds; then, it stops searching and the RF icon disconnects. **If connected, the icon  gets fixed** and will show the number of heaters paired (see picture 3) - from 1 to 5 depending on the number of heaters paired-.



Picture 1



Picture 2



Picture 3

3.5 WORKING MODES

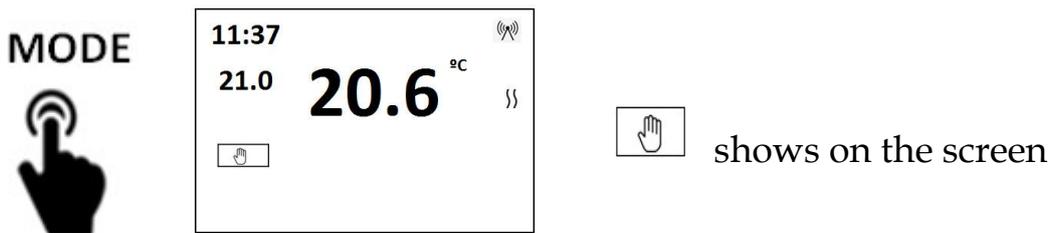
There are 3 operating modes:

- **Auto.** Temperature automatically varies depending on a predefined setting based on 3 temperatures (comfort, eco, antifrost). Bars show how temperature is programmed per hour.
- **Manual.** The user selects the setpoint temperature.
- **Eco.** - 3°C below room temperature.

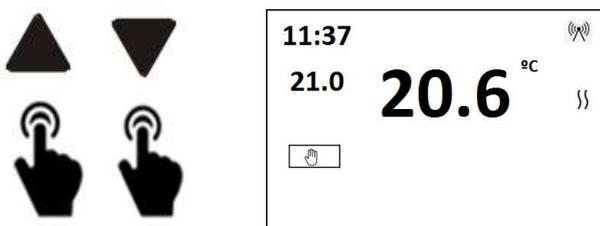
Press the key MODE to change the working mode.

3.5.1 MANUAL MODE

- How to select the MANUAL mode

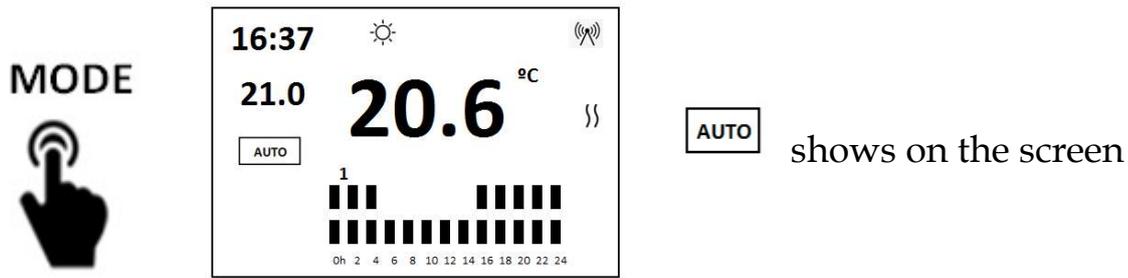


- Select the comfort temperature.



3.5.2 AUTOMATIC MODE

- How to select the AUTO mode



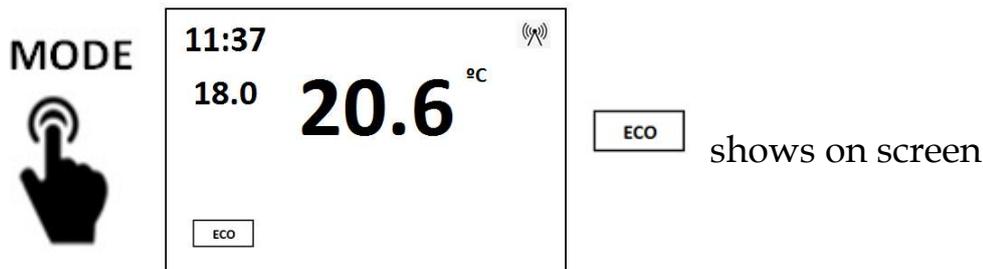
- How to set the temperatures

In this mode, set temperatures will automatically change according to the user's configuration who will assign one of these 3 temperatures to each hour:

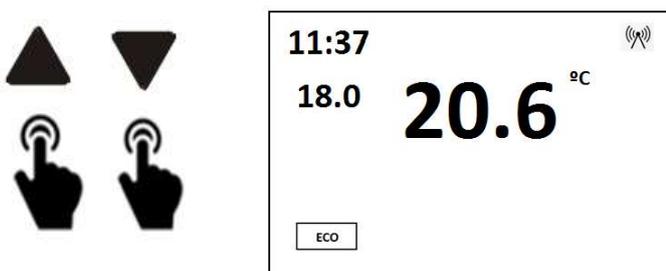
- Comfort (☀): selected by the user to get maximum comfort. Being the icon ☀ on, the user can select the temperature pressing the ▲ ▼ buttons.
- Economy or saving (☾): used at nights or short absences. It is always 3°C below set/comfort temperature.
- Anti-frost or minimum (❄): prevents the room temperature going below 7°C.

3.5.3 ECO MODE

Having selected the manual mode, select ECO mode to decrease 3°C the room temperature.



- Select the comfort temperature.

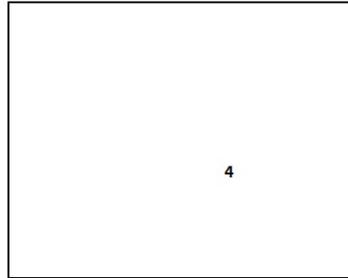


3.6 SETTING DATE AND PROGRAMMING

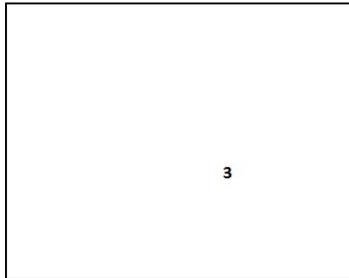
3.6.1 SETTING THE DATE

- Press for 2 seconds button MODE until the day of the week flashes.

2 Seg MODE

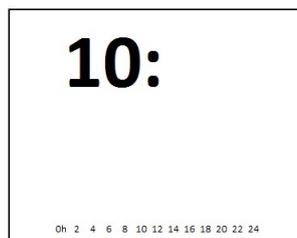
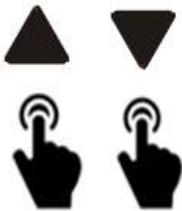


- Press ▲ ▼ to select the day of the week, press ⏻ to confirm.



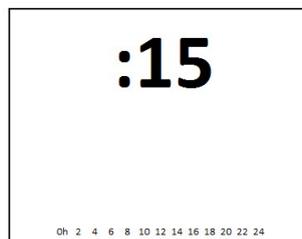
Hour digits flash

- Press ▲ ▼ to select the hour, click ⏻ to confirm.



Minute digits flash.

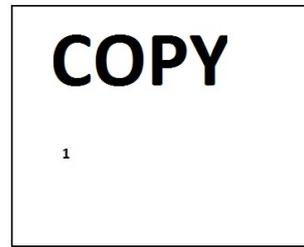
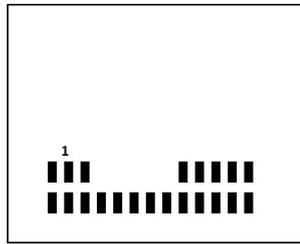
- Press ▲ ▼ to select the minutes, click ⏻ to confirm.



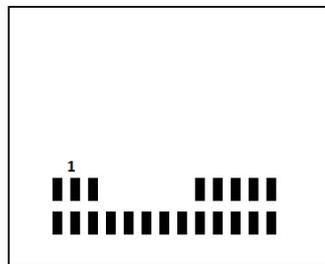
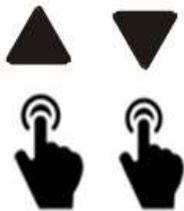
3.6.2 HOW TO PROGRAMME

If you do not want to programme, press twice the key MODE.

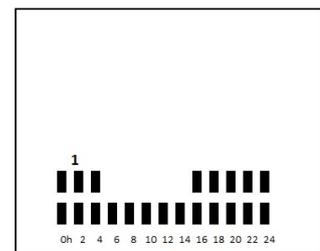
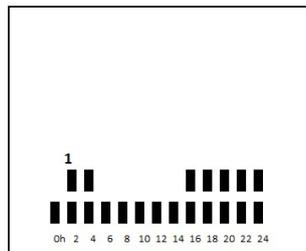
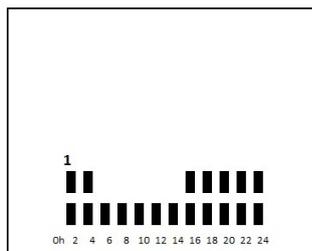
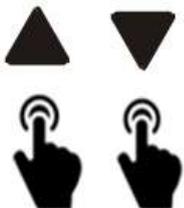
MODE



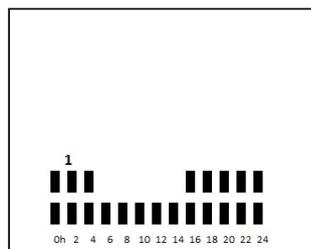
To carry out a custom programming, press ▲ ▼ to select the day of the week to programme. To confirm, press ⏻



Start at 0h, press ▲ ▼ to select the temperature: comfort  0h, eco  0h o 0h anti-frost.

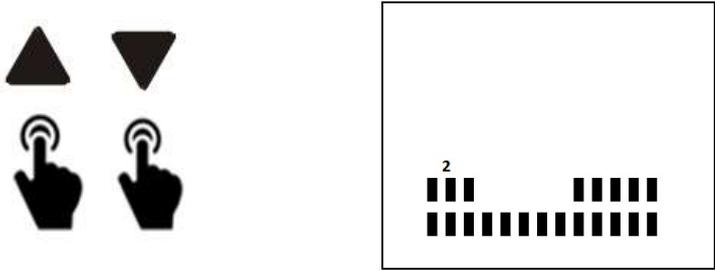


Confirm and programme the following hour.



Repeat these steps for every hour.

To select other day of the week, press ▲▼ to select the day and proceed as detailed above.

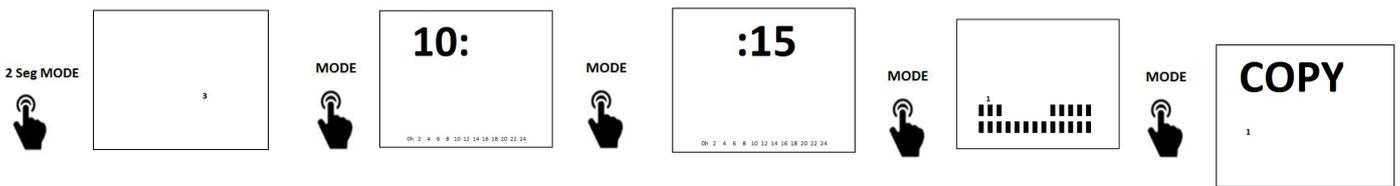


To exit, press MODE.

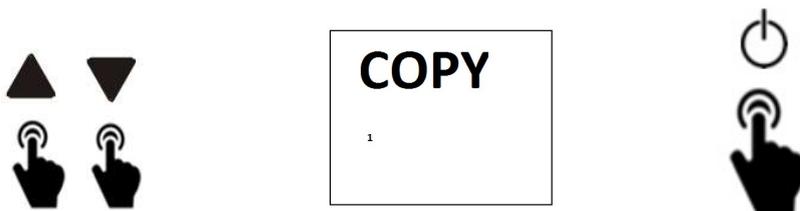
3.6.3 COPY FUNCTION

This function enables you to copy a previously programmed day to any other day.

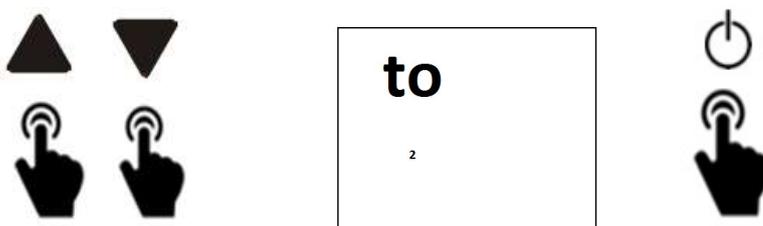
Press MODE for 2 seconds, then press MODE again until the word “COPY” displays on the screen.



Once COPY is on the screen, press ▲▼ to select the programmed day and press ⏻ to confirm.

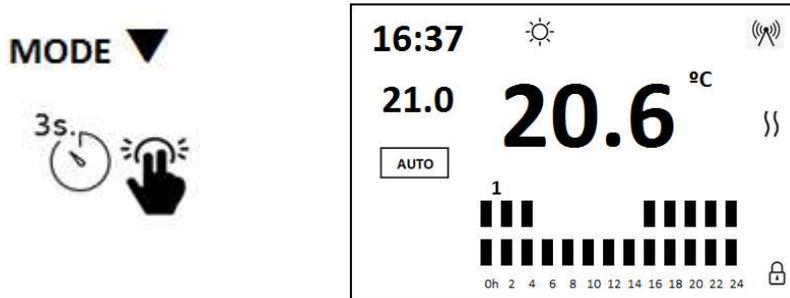


Now, press the the ▲▼ button to select the number of the day you are copying to. Press ⏻ to confirm



3.6.4 KEY BLOCK FUNCTION

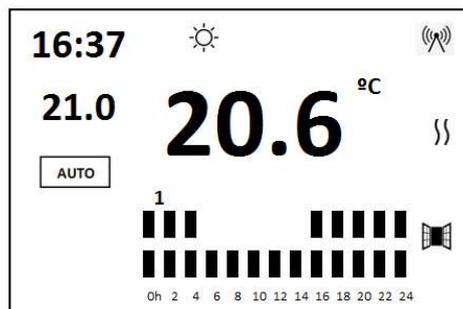
To set this function, press the key MODE and the DOWN arrow for 3 seconds, then release.



To unblock, do the same.

3.6.5 OPEN WINDOW FUNCTION

The device has a built-in sensor that detects any sudden temperature changes that may occur. This mode activates when the temperature decreases by 3°C in 5 minutes. This mode stays until this decreasing tendency disappears.



3.6.6 HOW TO CALIBRATE THE TEMPERATURE SENSOR

You can calibrate the temperature sensor; to proceed do as follows:

Press simultaneously ▲ ▼ until the word OFFS is displayed.



Press ▲ ▼ to set the sensor in intervals of $\pm 0.5^{\circ}\text{C}$, from -5°C to 5°C



Press  to confirm

4. MAINTENANCE

- Keep the floor clean to avoid stains on the wall.
- At the beginning of the year's heating system, the inner parts should be vacuumed because dust can be accumulated in the heating element when the radiator is off.
- The device can be washed with a moistened cloth or with any conventional product.

5. TECHNICAL CHARACTERISTICS

MEASURES & WEIGHT	
Description:	SLIM 250 W
Measures:	250 x 500 x 40 (mm) Reversible
Weight:	5,5 Kg.
Description:	SLIM 500 W Reversible
Measures:	250 x 1000 x 40 (mm) Reversible
Weight:	11 Kg.
Description:	SLIM 800 W
Measures:	500 x 1000 x 40 (mm)
Weight:	18 Kg.
TECHNICAL CHARACTERISTICS	
Voltage	230 V
Frequency:	50 Hz
Plug:	Unipolar 10-15 A/250 VAC
Safety Thermostat:	Automatic - Cut-off T^a $90 \pm 0,5^{\circ}$ - Reset T^a $65^{\circ} \pm 10^{\circ}$
Type of Protection:	Class II IP 24
MATERIALS	
Back Frame	High-quality Steel
Front	DUAL KHERR

6. FAQs

PROBLEM	PROBABLE CAUSE	SOLUTION
The device does not heat up	The device is in energy-saving mode	Due to the thermal inertia, the device transfers heat to the room; should you need more temperature, increase the device temperature.
The room does not reach the desired temperature	Incorrect setting of the set temperature	Check the set temperature on the display to verify it is the desired temperature.
	Improper sizing	The power is not the adequate for the place in which it has been installed.
	Excessive height	Make sure the system is installed at the recommended height
	Input and output grids are obstructed	Do not place anything on top of the radiator and do not install it inside a hole made in the septum.
The radiator does not operate	Set temperature below room temperature	Rise the radiator's set temperature until it is 1 degree above the room temperature
	Control panel switch and protection down	Check that the automatic control is not down. If it is down put it up.
		Make sure the installation is correct and that there are independent lines for the heating system with a 2.5 mm ² cable gauge and a maximum power of 3500 w.
	Switch is off	Set the switch in position I.
	Program is OFF	Check that the set program is the chosen one or set the one you desire.
The radiator stains the walls	Radiator located at a very low height	The minimum height from the floor to the radiator's lower part must be at least 25 cm.
	Dust accumulation in the lower grid.	Vacuum it. The vacuuming should be done at the beginning of each heating season.
	Type of painting on the wall	Paints with a high content in rutile are likely to darken.
Blocked buttons	No response from operating buttons	Press buttons MODE and ▲ for 3 seconds.
The radiator does not link to the thermostat	There has not been enough time to link	Press  and release as soon as 0 appears.
The radiator does not heat up	It is not linked to the thermostat	Check that the symbol  is shown in the upper right corner. If not, see 3,4

7. GUARANTEE

CLIMASTAR. guarantees that in the moment of its purchase the product is free of any defect in the materials and in the work force (limited guarantee). CLIMASTAR offers a commercial and voluntary guarantee; conditions included are similar to those of the legal guarantee, being CLIMASTAR responsible for the non-conformities arisen in the terms and conditions mentioned below. Moreover, CLIMASTAR offers a total warranty of 2 years in the spare parts.

- CLIMASTAR is responsible for the non-conformities arisen within the 6 months following the date of sale. If the non-conformity arises after those 6 months, the user shall prove that the non-conformity already existed when delivered. The user must inform CLIMASTAR of said non-conformity in a period inferior to two months.
- To obtain the service under the terms of this warranty it is important to detail the device's purchasing date because the warranty period starts with the purchase invoice of the system customer. However, in no case this warranty will be liable for defects that may arise after thirty-six months from the manufacture date.
- This warranty is strictly limited to the repairing in the factory of the manufacturing defect part or parts of the device, or to the complete replacement of the system when, in the opinion of the manufacturer, it is not possible or is uneconomical. This does not include any other type of expenditure as an installation, assembly, disassembly or transport.
- This warranty does not cover defects and / or malfunction caused by accidents, misuse, negligence, wears, breakage, an incorrect installation and poor electricity supply to the system. This warranty is also excluded if it is used with another purpose other than heating, for an alteration, modification, tampering or unauthorized repairing of the product, and by other different causes beyond the manufacturer's reach after the delivery of the product.
- The warranty does not cover the costs and expenses incurred to access the device or installation, such as in hidden locations, heights, non-practicable ceilings... Neither does it include the costs derived from removing or replacing any structural element to access the device or the installation.
- No heating system will be returned to CLIMASTAR without a previous codified and official MERCHANDISE RETURN AUTHORITY. CLIMASTAR assumes no liability for any equipment that is returned without the previously mentioned MERCHANDISE RETURN AUTHORITY.
- CLIMASTAR and/or its agents have the right to decide whether to replace the system or to repair the damaged components. None of these options will extend the original warranty period.
- Any reparation must be done by the Technical Service and authorized by the manufacturer and/or any of its agents; any manipulation done by unauthorized personal will void this warranty. In case of substitution of the device the buyer must go to the selling centre which will be in charge of receiving the system.
- RESPONSIBILITY LIMITATION: CLIMASTAR as a manufacturer is not responsible for any personal or material damage that directly or indirectly might result of a non proper installation, from an improper handling or neither for the lack of technical qualified staff, nor for the installation costs which are expressly excluded from this warranty.
- None of the present conditions might be extended or modified without the express consent of CLIMASTAR

CLIMASTAR

silicium technology

CLIMASTAR GLOBAL COMPANY S.L.
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www.climastar.es



CARDBOARD PACKAGING CAN BE RECYCLED



DO NOT PLACE THE ELECTRICAL ITEM IN
THE GENERAL WASTE (IT SHOULD BE TAKEN
TO A LOCAL RECYCLING CENTRE).