CLIMASTAR
silicium technology

USER'S GUIDE

CURVE WIFI

In accordance with Commission Regulation (EU) 2015/1188 of 28 April 2015 implementing Directive 2009/125 / EC of the European Parliament and of the Council, we inform you that "This product is not suitable for primary" heating purposes.

INDEX

1- INTRODUCTION 4

2- INSTALLATION INSTRUCTIONS 5

3- STARTING AND SETTING UP 6

3.1.- SETTING UP THE WIFI CENTRAL UNIT 6

3.2.- SCREEN DISPLAY 8

3.3.- HOW TO LINK HEATERS TO THE WIFI CENTRAL UNIT 8

3.4.-SETTING UP THE HEATER 9

3.4.1 Operating modes 9

3.4.2 Manual mode 10

3.4.3 Automatic mode 10

3.5 KEY LOCK FUNCTION 14

3.6 RESET TO FACTORY SETTINGS 14

4- CLEANING AND MAINTENANCE 15

5- TECHNICAL SPECIFICATIONS 16

6- FAQ.s 17

7.- WARRANTY TERMS AND CONDITIONS 18

1- INTRODUCTION

- 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

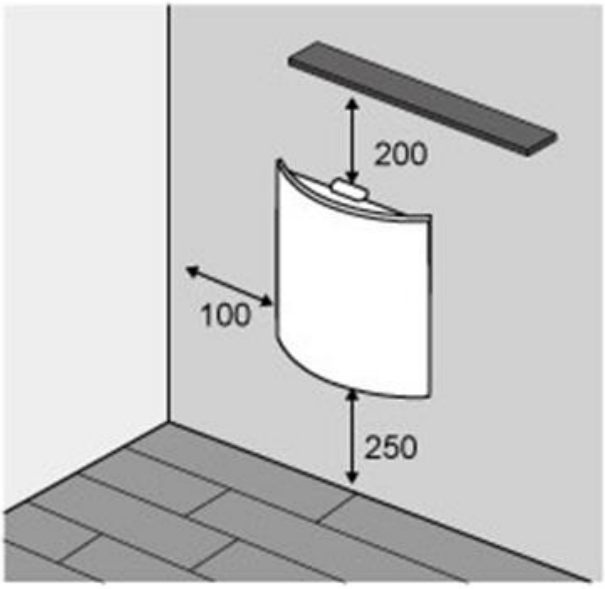
must not be carried out by children without prior supervision.

- **WARNING:** some parts of this device may overheat and cause burns. Pay special attention when children and vulnerable people are around.

WARNING: To avoid possible overheating, do not cover the device

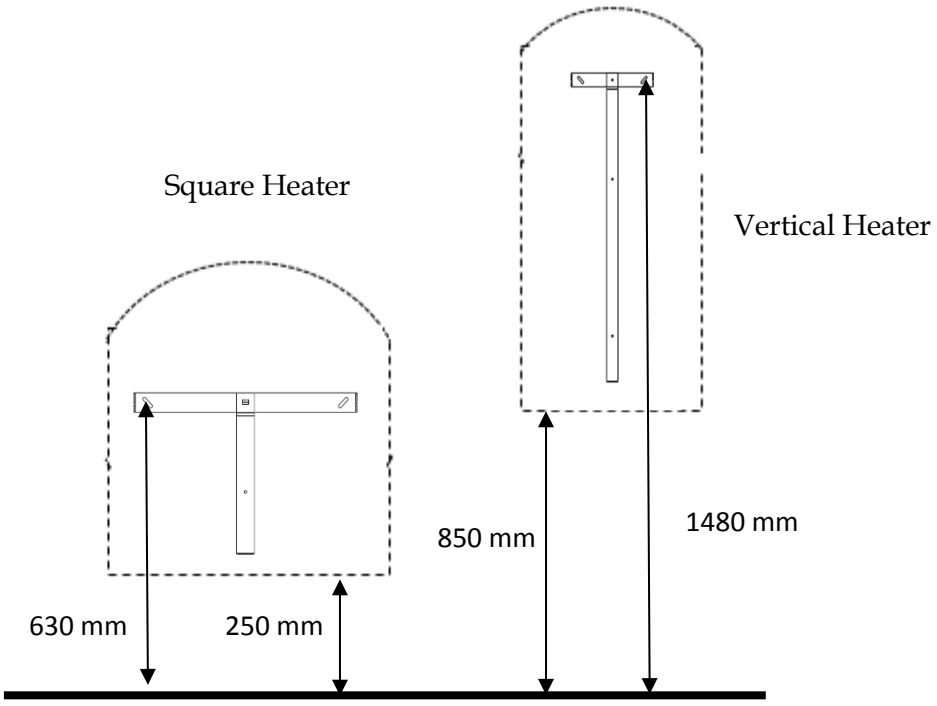
2-INSTALLATION INSTRUCTIONS

- The device includes a mounting kit with the required bolting: plugs and 6mm screws, and the wall support.
- Plugs supplied with the mounting kit are not suitable for plaster walls. These walls require specific plugs.
- Recommended clearances required are indicated on the following figure:



- Once decided the location to install the heater, remove the packaging and extract the heater and its mounting kit.

- Fix the heater as shown on the figure:



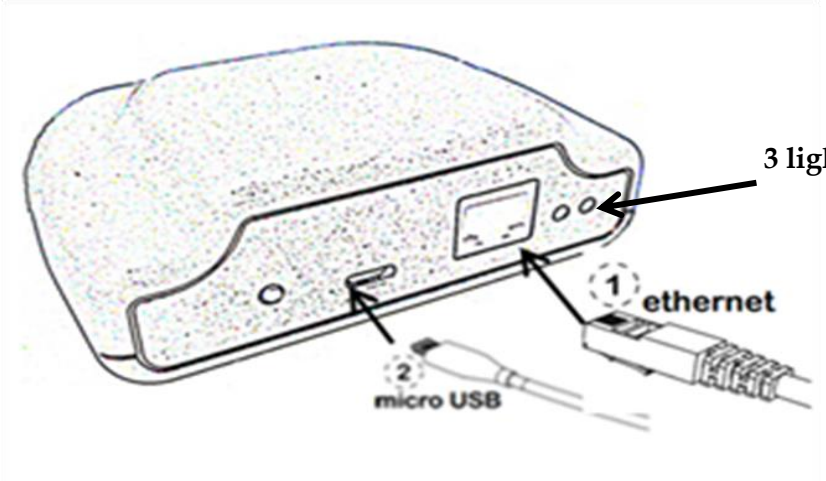
3- STARTING AND SETTING UP

3.1.- SETTING UP THE WIFI CENTRAL UNIT

In order to manage the heaters using the web application or a smartphone application, a WiFi gateway unit is required. This gateway will connect the heaters via radio.

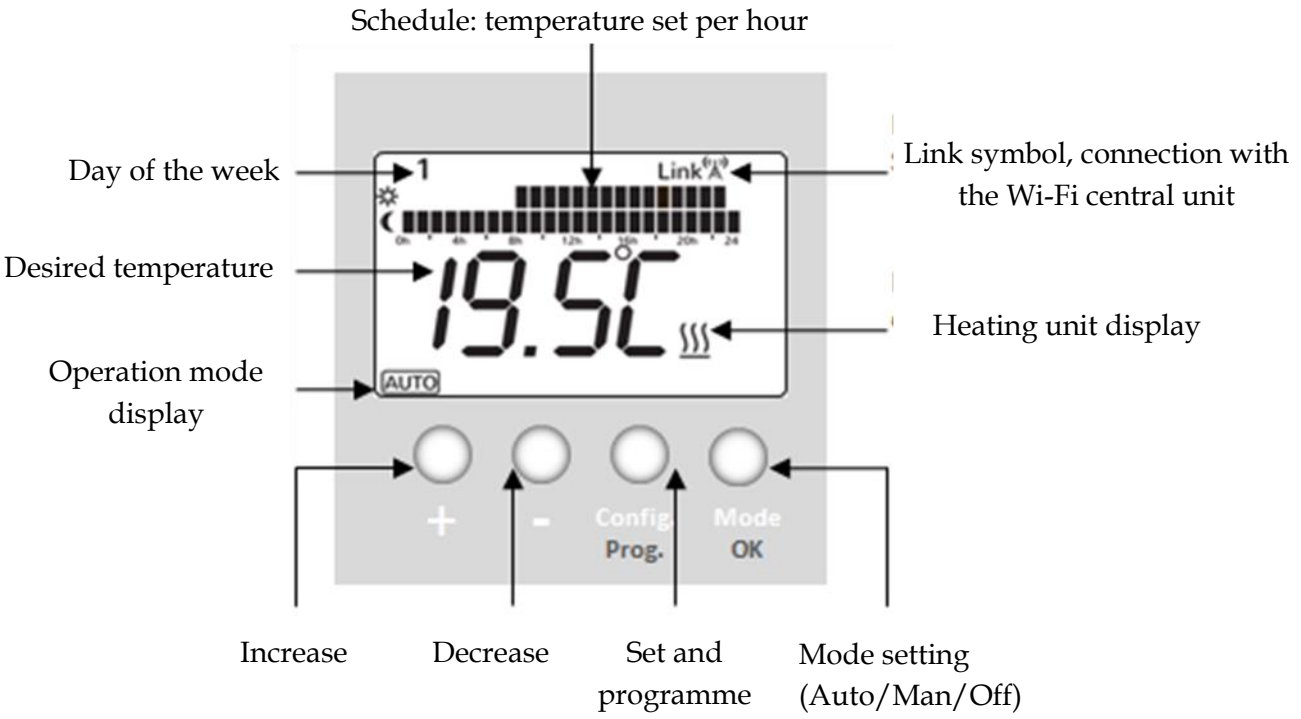
By connecting the gateway to your home router via the supplied Ethernet cable, the heaters will connect to the Internet.

Steps to take are as follows:



1- Connect the WiFi central unit to your home router via the Ethernet cable.
2- Connect the unit to the mains supply via the USB cable.
3- Check the lights. Orange and green lights alternate: orange light keeps fixed for 5 seconds, then green light flashes. **If not, see section 6 FAQ.**
4- Register on the web app: *avantwifi.climastar.es* to connect via your computer or download the CLIMASTAR WIFI App from Google Playstore or Apple AppStore.
5- Access to your account to set you home details, the WIFI central unit will be automatically detected. Follow the instructions.

3.2.- SCREEN DISPLAY

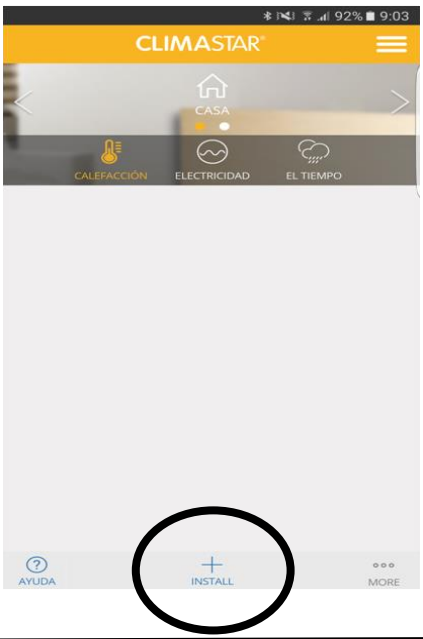


To turn on the device, connect the power cable to a mains power outlet and click the switch on the right. The display illuminates.

3.3.- HOW TO LINK HEATERS TO THE WIFI CENTRAL UNIT

Only if the heaters are linked to the WiFi Central Unit can they be controlled by the Apps.

To link a heater, first enter the App, click "INSTALL" and proceed as requested:



Once linked, an antenna with the word "Link" will appear right-side up. The heater is ready to be controlled by the Apps.

3.4.-SETTING UP THE HEATER

The user can set up the heater through the Web App or the mobile Apps in a very easy and intuitive way.

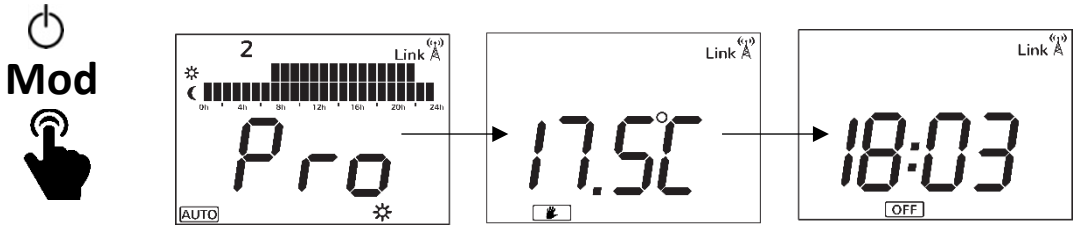
You can also set up the heater without any internet access. This can be done directly on the keyboard placed on the upper-side of the device. Please follow these steps:

3.4.1 Operating modes

3 operating modes:

- **Auto:** the device works on programmed time schedule based on 3 temperatures: comfort, economy and frost protection. The bars on the screen show the programmed temperature per hour.
- **Manual:** Comfort temperature is fixed as per the user's personal configuration.
- **Off:** the device is OFF.

Press the key ⏻ / Mod to change the operating mode



Auto mode **Manual mode** **Off mode**

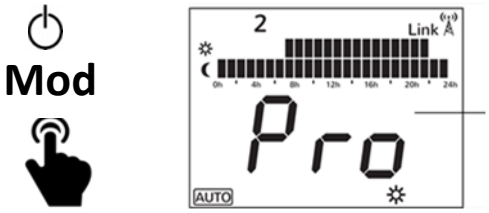
3.4.2 Manual mode

- Select the manual mode.

- Set up the desired temperature by clicking the +/-.

3.4.3 Automatic mode

- Select the automatic mode.

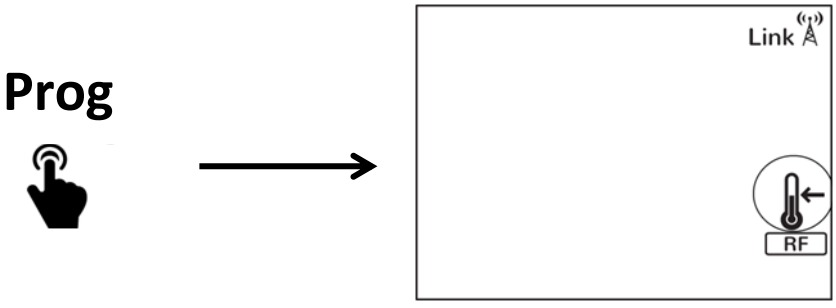


- Temperature settings:

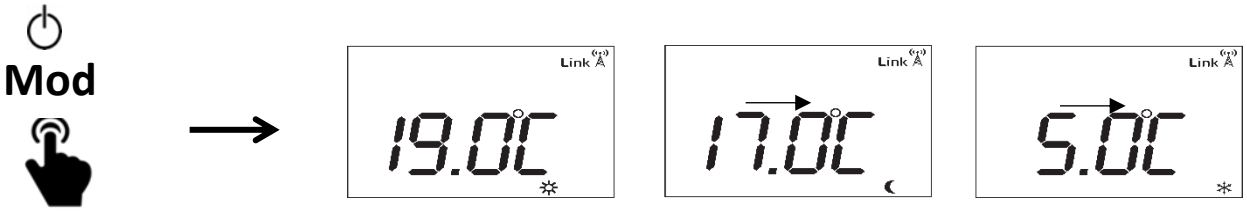
  In Automatic mode, the set temperatures will automatically change as per the user's settings. The user assigns one of the 3 temperature options below per hour:

  - Comfort, ☼ , set by the user when he is at home, maximum comfort.
  - Saving or economy, ☾ , used at night or in short periods of absence.
  - Frost protection or minimum , ❄ ,used to set a minimum temperature when absent.

How to set the temperature values:



Select the temperature to set: comfort, economy or frost.



You can modify the temperature selected (e.g. comfort)

Do not forget to confirm and validate:

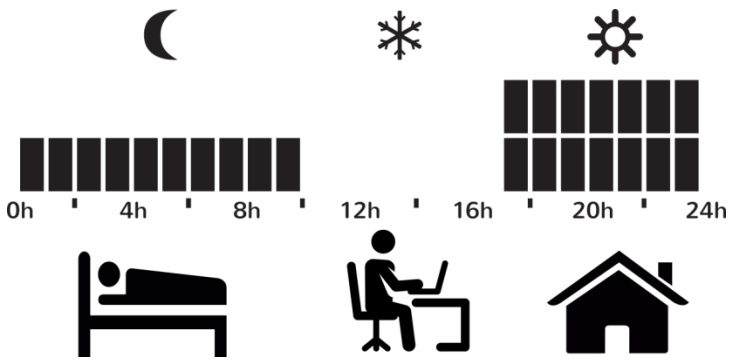
Prog

(this can be done for any of the three temperature options)

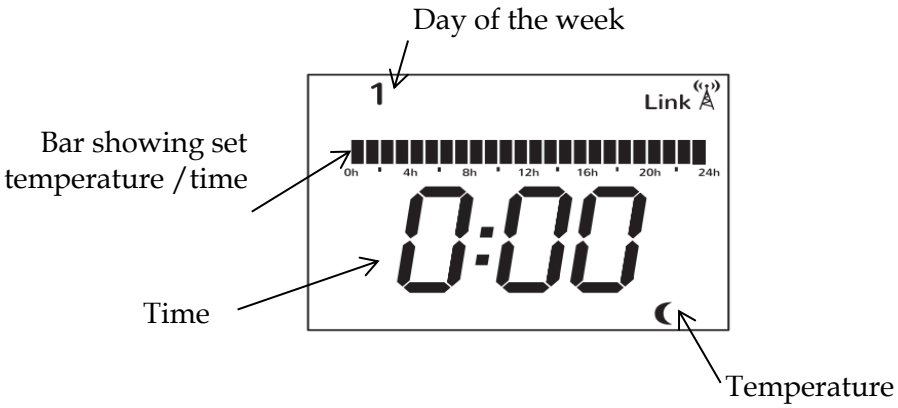
- <u>Time schedule modification</u>

The radiator can be programmed hour per hour with any of the 3 available temperatures: comfort, eco and frost protection.

E.g.



IMPORTANT: schedule starts the day 1 of the week at midnight.



Start to programme

Select the temperature at midnight, 00.00

Select the time

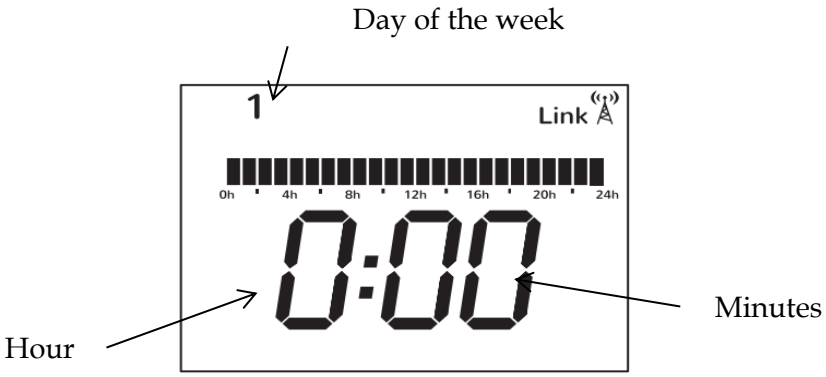
Select the temperature and the following hour

And so on until you have programmed all hours and all days of the week.

Prog

Do not forget to confirm and validate. Exit and set real day and time on the heater.

If the device is already connected to the WiFi gateway and internet, the time is automatically set. If not, proceed as follows to set real time:



Change the day of the week

Change the time

Change the minutes

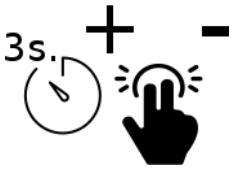
Exit

- *Temporary manual mode operation*

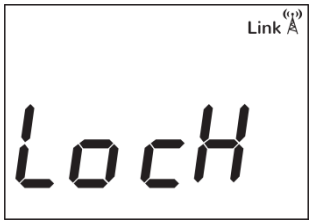
Being on automatic mode, the user can increase or decrease the temperature; said modification will be set up until next change in program.

Manually modify the temperature in the automatic mode

3.5 KEY LOCK FUNCTION



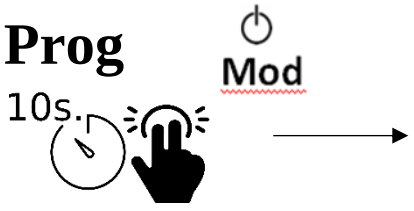
Lock word is displayed on the screen

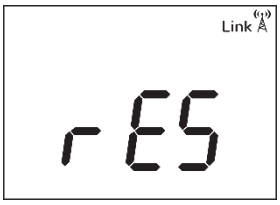


Unlock

3.6 RESET TO FACTORY SETTINGS

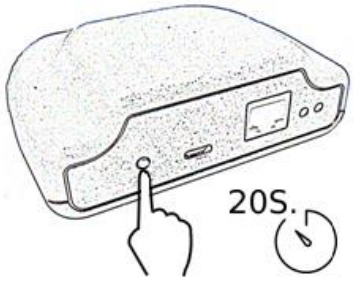
- Heater reset





Press to confirm "Reset"

- Wi-Fi gateway reset



4- CLEANING AND MAINTENANCE

- Keep the room clean to avoid possible spots on the walls due to convection.
- At the beginning of the year's heating season, vacuum any dust that has accumulated in the inner heating element while the radiator has been off for long periods during warmer weather.
- The device can be washed with a moistened cloth or with any washing conventional product.

5- TECHNICAL SPECIFICATIONS

CURVE WI-FI

Power: (W)	*1500 W*	*1300 W*	
Dimensions: (mm)	H.570 x W.600 x D.110	H.440 x W.800 x D 95	
Weight: (Kg)	12,5	13,5	
Voltage:	230v ~AC	Class:	II
Frequency:	50 Hz	IP:	24
Ceramic component:	DUAL KHERR		
External Housing:	Powder coated steel structure		
Thermostat	Temperature range from 0 to 30°C		
Safety thermostat	Bimetallic, Automatic, Rated Temperature: 90 ±5°C,Reset Temperature: 65 ±10°C		

Heat output		*1500 W*	*1300 W*
Nominal heat output	P_{nom}	*0,5 kW*	*1,5 kW*
Minimum heat output (indicative)	P_{min}	*N.A.*	*N.A.*
Maximum continuous heat output	$P_{max,c}$	*1,5 kW*	*1,3 kW*
Auxiliary electricity consumption		*1500 W*	*1300 W*
At nominal heat output	el_{max}	*N.A.*	*N.A.*
At minimum heat	el_{min}	*N.A.*	*N.A.*
In standby mode	el_{SB}	*0,000 kW*	*0,000 kW*

Type of heat input (select one)	
manual heat charge control, with integrated thermostat	no
manual heat charge control with room and/or outdoor temperature feedback	no
electronic heat charge control with room and/or outdoor temperature feedback	yes
fan assisted heat output	no
Type of heat output/room temperature control	
single stage heat output and no room temperature control	no
two or more manual stages, no room temperature control	no
with mechanic thermostat room temperature control	no
with electronic room temperature control	no
electronic room temperature control plus day timer	no
electronic room temperature control plus week timer	yes
Other control options (multiple selections possible)	
room temperature control, with presence detection	no
room temperature control, with open window detection	yes
with distance control option	yes
with adaptive start control	yes
with working time limitation	yes
with black bulb sensor	no

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6- FAQ.s

PROBLEM	PROBABLE CAUSE	SOLUTION
The heater does not warm up	The heater is in energy saving mode	Increase the temperature in the heater if you need more room 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 heater is too small for the room	The power rating of the heater is not adequate for the place in which it has been installed. Select a larger heater.
	Large Height	Make sure the heater is installed at the correct mentioned height or increase the set temperature to compensate the probe reading.
	Lower and upper grids are obstructed.	Do not place anything on top or below the radiator.
The heater does not operate	Set temperature below the 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.
		Make sure the installation is correct and that there are independent lines for the heating system with a 2.5 mm2 cable gauge and a maximum power of 3500 w
	The switch at the side of the heater is turned OFF to the off position.	Set the switch at the right side of the heater to position “I”.
	The set programme is in an OFF period.	Check that the set program is correct for the time period and change if necessary or put in manual mode and override.
Appearance of stains on the wall just above the radiator	Heater 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 any dust and loose carpet fibres below the heater.
	Type of painting on the wall.	Paints with a high content in rutile are likely to darken.
No response from buttons	Control panel has been locked to prevent pressing of buttons	Refer to key locking function section 3.5.
Problems setting the WiFi gateway	Orange and green lights flash every 5 seconds.	No server communication, check the Internet connection
	Orange and green lights flash quickly.	The router does not assign a valid IP. Check the Internet connection.
The heaters do not communicate with the WiFi gateway	The heaters are not linked to the WiFi gateway.	Make sure the Link icon is fixed; if not, try linking again.
	Distance exceeding 30 m and 2-3 walls.	First link the nearest heaters, since each heater acts as signal repeater.
	"Link" icon flashes.	Check the Wifi gateway

7.- WARRANTY TERMS AND CONDITIONS

CLIMASTAR guarantees that in the moment of its purchase the product is free of any defect in the materials and in the workmanship (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 nonconformity already existed when delivered. The user must inform CLIMASTAR of said nonconformity 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 AUTHORITATION. CLIMASTAR assumes no liability for any equipment that is returned without the previously mentioned MERCHANDISE RETURN AUTHORIZATION.

- 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

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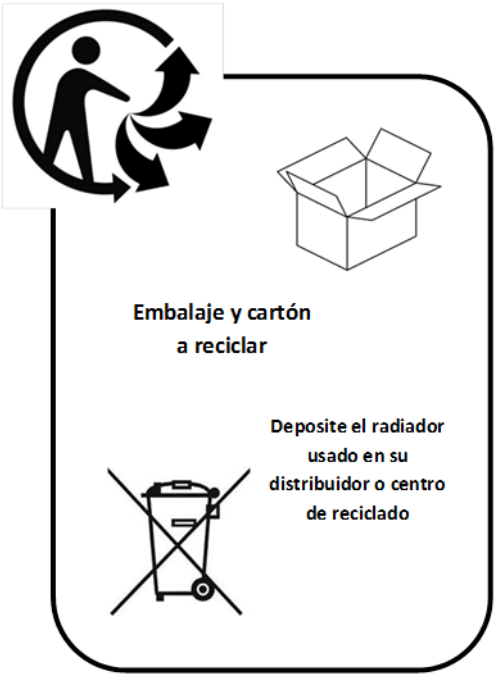

Danos tu opinión