

# INSTALLATION MANUAL AND USER GUIDE

# CLIMASTAR®



SMART EASY TECH RANGES



SMART TOUCH RANGES

**SILICON INERTIA RADIATORS**





## **INDEX**

1- WARNING .....	4
2- INSTALLATION INSTRUCTIONS .....	6
3- USING THE INERTIA RADIATOR, SMART TOUCH RANGES .....	7
3.1 STARTING THE DEVICE .....	7
3.2 SETTING DATE AND TIME .....	7
3.3 MANUAL MODE .....	8
3.4 AUTOMATIC MODE .....	8
3.5 PILOT WIRING MODE .....	9
3.6 COPY FUNCTION .....	10
3.7 KEY BLOCK FUCTION .....	10
3.8 SOUND FUNCTION .....	10
3.9 OTHER INFORMATION .....	10
4- USING THE INERTIA RADIATOR, SMART EASY TECH RANGES .....	11
4.1 STARTING THE DEVICE .....	11
4.2 SET UP TEMPERATURE . .....	11
4.3 SELECT THE OPERATING MODE .....	11
5- CLEANING AND MAINTENANCE .....	12
6- TECHNICAL SPECIFICATIONS .....	13
7- TROUBLESHOUTING .....	14
8- GUARANTEE TERMS .....	15

## 1- WARNING

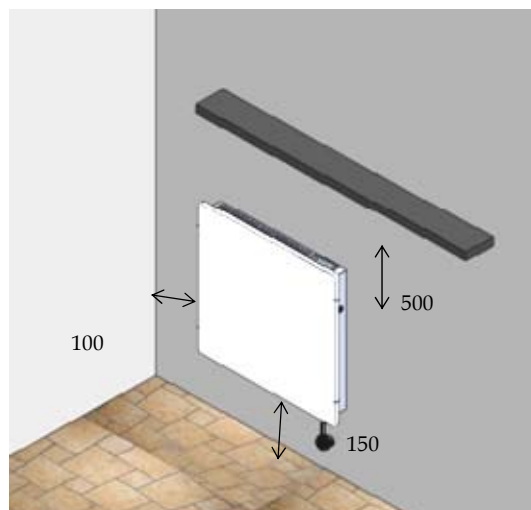
- The warranty of the heater will not cover any damage caused by non observance of any of these instructions.
- This guide must be kept and given to any new owner.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children must not play with the appliance. Cleaning and user maintenance must not be made by children without supervision.
- Children aged from 3 years and less than 8 years shall only switch on/off the appliance provided that it has been placed or installed in its intended normal operating position and they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children aged from 3 years and less than 8 years shall not plug in, regulate and clean the appliance or perform user maintenance.
- Children of less than 3 years should be kept away unless continuously supervised.
- **CAUTION: Some parts of this product can become very hot and cause burns. Particular attention has to be given where children and vulnerable people are present.**
- Should the heater be moved and reinstalled, it is essential that the work is carried out by a competent electrician.
- The use of these heaters is forbidden in any area where there is a presence of gases, explosives or inflammable objects.
- Neither the connecting cable nor any other object must come into contact with the hot unit.
- Check that the voltage shown on the rating plate on the heater is the same as the voltage of the supply to which connection is to be made.
- **WARNING:** In order to avoid overheating, do not cover the heater. Do not use this heater to dry clothes.
- The air outlet at the top of the thermal radiator and the air inlet at the bottom are provided to ensure the most efficient operation of the appliance. They also

protect the heater from overheating; therefore, it is essential that at no time are they covered.

- This heater should be switched off at the isolating switch before any repair work is carried out. This action should also be taken during the times of the year when heat is not required.
- The radiator should not be installed just below an electrical socket or in front of a socket outlet.
- The appliance must be installed in such a way that switches and other control devices cannot be touched by a person using a bath or shower.
- The installation must be carried out in accordance with the current electrical regulations.
- The heater is fitted with a flexible cable size 3 x 1.00 mm<sup>2</sup> for electrical connection. It may be used to connect the heater to the fixed wiring of the premises through a suitable connection box positioned adjacent to the heater.
- The supply circuit to the heater must incorporate a double pole isolating switch having a contact separation of at least 3 mm.
- If the flexible supply cord is damaged, it must be replaced by a repair workshop recognised by the manufacturer, in order to avoid hazard.
- All models are supplied with an electrical interrupt cut-out. This will switch off the heater if, for any reason, it overheats. Should the cut-out operate, turn the heater off and remove the cause for the overheating. The cut-out will be reset automatically.
- The presence in the air of particles of smoke, dust and other pollutants could, in time, discolour the walls and surfaces around the heater.

## 2- INSTALLATION INSTRUCTIONS

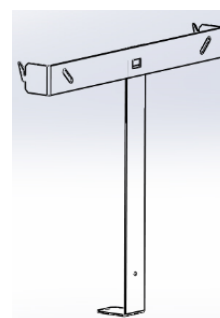
- Open the package and check that it is the correct model and it is in good condition.
- To obtain optimum performances it is necessary to maintain a minimum clearance of 15 cm between the radiator and any inflammable material as furniture, curtains etc.
- Recommended clearances required to maintain are indicated on the following figure:



- Once decided the location to install the device, remove the packaging and extract the device and its mounting kit:

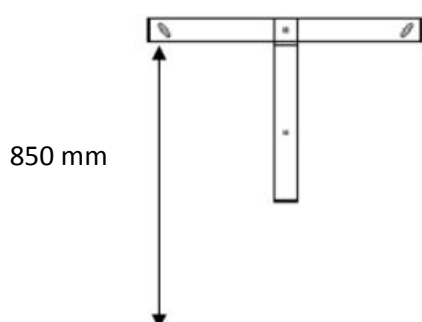


This kit has to be assembled for safety:

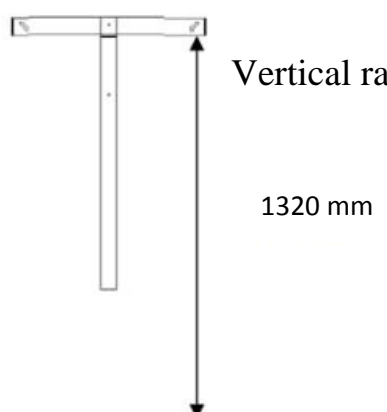


- Fix the support to the wall using it as a pattern. A correct stabilization of the support clamp is required. The image below shows where to drill to fix the support (recommended distance). Note: first fix the screws of the upper part to the wall with appropriate rawl plugs, once the support is properly levelled, then fix the screw of lower bar too.

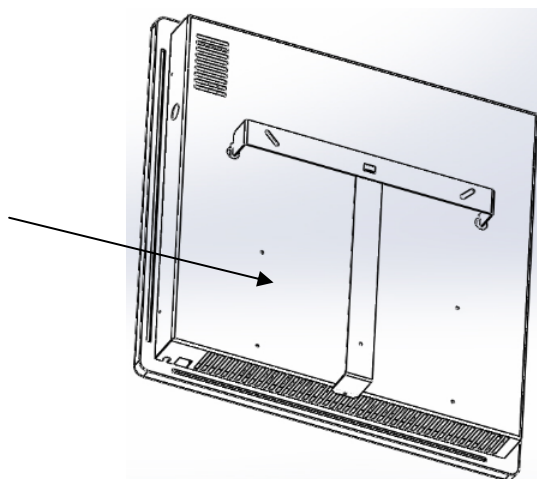
Horizontal and square radiator.



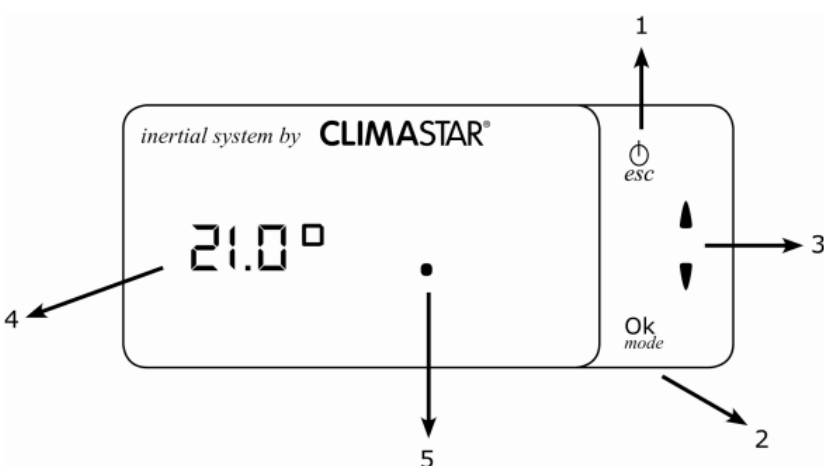
Vertical radiator.



Once the heater is on the wall supporter, proceed to screw the support to the lower part of the heater.



### 3- USING THE INERTIA RADIATOR, SMART TOUCH RANGES



1. “POWER /ESC” button: Turn on and off the device / allows moving back from any menu.
2. MODE/OK” button: to access main menu and select or confirm the desired option.
3. “UP/DOWN” arrows : allow to set the values and navigate through the different options of the menus.
4. DISPLAY: shows the different options and desired values.
5. RED DOT: if flashing, the device is working in PILOT WIRING mode, if not, then it is working in automatic as per the set programming.

#### 3.1 STARTING THE DEVICE

First, plug in the power cord to a mains power outlet, and click the switch on the right. The display starts, shows a welcome message, and shows OFF. To start the device, press the “POWER” button; set temperature appears on the screen.

#### 3.2 SETTING DATE AND TIME

- A. Press OK for a few seconds.
- B. The display shows CONFIG TIME. If not, press until you see and press OK.
- C. Set the hour (H) using ; to validate press OK.
- D. Set the minutes (M) using ; to validate press OK.
- E. Press to select the day of the week (DAY 1 Monday, DAY 2 Tuesday); to validate press OK.

Date and time are now set. Press ESC and select the comfort temperature pressing the arrows. Your device is now working!

### 3.3 MANUAL MODE

In this mode, the device works as per factory set. All you have to do is press ↓↑ to select the desired temperature.

The set temperature can be modified from 15° C to 28° C in intervals of 0.5.

How to select the manual mode?

- Press OK
- Press ↓↑ and select MAN; press OK to confirm.
- Press ↓↑ and confirm the desired temperature.

Press ⏻ POWER BUTTON to switch off the unit, the display shows OFF.

If the device is OFF, the FROST setting automatically activates to prevent temperature being below 7°C.

### 3.4 AUTOMATIC MODE

In this mode the device works time schedule. It can work as per factory set (see table below) or according to the user's configuration.

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
00 H	ECO	ECO	ECO	ECO	ECO	ECO	ECO
01 H	ECO	ECO	ECO	ECO	ECO	ECO	ECO
02 H	ECO	ECO	ECO	ECO	ECO	ECO	ECO
03 H	ECO	ECO	ECO	ECO	ECO	ECO	ECO
04 H	ECO	ECO	ECO	ECO	ECO	ECO	ECO
05 H	ECO	ECO	ECO	ECO	ECO	ECO	ECO
06 H	ON	ON	ON	ON	ON	ECO	ECO
07 H	ON	ON	ON	ON	ON	ON	ON
08 H	ECO	ECO	ECO	ECO	ECO	ON	ON
09 H	ECO	ECO	ECO	ECO	ECO	ON	ON
10 H	ECO	ECO	ECO	ECO	ECO	ON	ON
11 H	ON	ON	ON	ON	ON	ON	ON
12 H	ON	ON	ON	ON	ON	ON	ON
13 H	ECO	ECO	ECO	ECO	ECO	ON	ON
14 H	ECO	ECO	ECO	ECO	ECO	ON	ON
15 H	ECO	ECO	ECO	ECO	ECO	ON	ON
16 H	ECO	ECO	ECO	ECO	ECO	ON	ON
17 H	ON	ON	ON	ON	ON	ON	ON
18 H	ON	ON	ON	ON	ON	ON	ON
19 H	ON	ON	ON	ON	ON	ON	ON
20 H	ON	ON	ON	ON	ON	ON	ON
21 H	ON	ON	ON	ON	ON	ON	ON
22 H	ECO	ECO	ECO	ECO	ECO	ECO	ECO
23 H	ECO	ECO	ECO	ECO	ECO	ECO	ECO



Before setting the device, take into account the following:

- **OFF**, the device is programmed to switch off.
- **ECO**, economy temperature, 3°C below set temperature.
- **ON**, comfort temperature. Temperature selected by the user as room temperature. It can be modified in the manual or automatic mode when shown on the display.

How to select custom programming?

- Press OK
- Press key  $\downarrow\uparrow$ , select AUTO; press OK to validate.
- The display will show the set temperature together with a red dot that indicates the unit is working in automatic mode.

If **AUTOMATIC mode is selected the heater cannot be turned off**. To turn off the device, enter mode (MODE/OK), select MAN using  $\uparrow\downarrow$  and press OK. Now you can turn off the device using  $\odot$

How to carry out a custom programming?

**If you need to programme several days on identical conditions, programme one day and copy the remaining ones. See Function COPY DAY (section 2.7)**

- A.- Press OK for a few seconds.
- B.- Press  $\downarrow\uparrow$ , select SELECT DAY and press OK to validate.
- C.- Press  $\downarrow\uparrow$ , select the day to set and press OK to validate.
- D.- We start at 00.00 h., use  $\downarrow\uparrow$  to select the desired temperature (ON -set temperature-; ECO -3°C below set temperature-; OFF switch off). Press Ok to validate.
- E.- Go on programming the remaining hours until 23.00 h; at this stage the display shows the day to programme.

If we want to set the remaining days, turn to B; if not press  $\odot$

### 3.5 PILOT WIRING MODE

In this mode the device works following instructions of an external unit.

How to select FP mode?

- A.- Press OK
- B.- Press key  $\downarrow\uparrow$ , select FP; press OK to validate.
- C.- The display will show the set temperature together with a red dot that indicates the unit is working in FP mode.

**If FP mode is selected the heater cannot be turned off**. To turn off the device, enter mode (MODE), select MAN using  $\uparrow\downarrow$  and press OK. Now you can turn off the device using  $\odot$

### 3.6 COPY FUNCTION

This function enables you to copy existing time programmes. To copy the setting of one day into another, do as follows:

- A.- Press OK for a few seconds.
- B.- Press ↓↑, select COPY DAY and press OK to validate.
- C.- Press ↓↑, select the day to set and press OK to validate.
- D.- Press ↓↑, select the day to copy; press OK to validate.

If we want to go on copying into other days, turn to B. If not, press ⏻

### 3.7 KEY BLOCK FUNCTION

This function enables to block the controls. To set this function, do as follows:

- A.- Press OK for a few seconds.
- B.- Press ↓↑, select PROTEC and press OK to validate.
- C.- Press ↓↑, select ON, and press OK to validate.

**To unlock the device**, wait until dashes disappear from the screen; press key ⏻ for 5 seconds; press ↓ to validate.

### 3.8 SOUND FUNCTION

SOUND function enables to activate and deactivate the beep emitted on touching the buttons. To activate or deactivate do as following:


- Press button OK for a few seconds
- Press ↓↑, select SOUND, and press OK to confirm.
- Press ↓↑, select ON or OFF to activate or deactivate the beep, and press Ok to confirm.

### 3.9 OTHER INFORMATION


- If we enter a submenu, and stop using the device for a few seconds, it automatically returns to the main menu.
- If we are in the main menu, and the device is not being manipulated; it will turn to stand-by mode and the display will only show a dot. Touch any button to redisplay the main menu.
- To turn on the screen again, press any key on the button panel.
- Being the device OFF, the radiator can start working. This is because it has a minimum set temperature as per factory set, 7°C. This mode is called FROST PROTECTION –it prevents room temperature going below said temperature.
- The device is provided with a protection against loss of temperature caused by open window, air conditioners, or any other circumstance that may prevent the radiator from raising the room temperature. This mode activates when the temperature decreases 3°C in 5 minutes. At this stage, the radiator turns off and shows OPEN on the display; this mode stays until this decreasing tendency disappears.
- On unplugging the device, it may beep; this indicates the discharge of the capacitors. This does not affect the radiator's output.

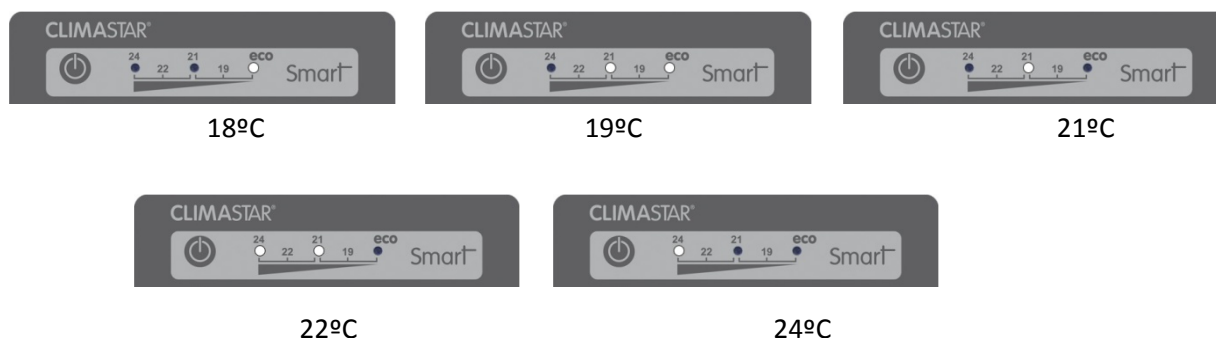
## 4- USING THE INERTIA RADIATOR, SMART EASY TECH RANGES

### 4.1 STARTING THE DEVICE

First, plug in the power cord to a mains power outlet, and click the switch on the right. Press  to turn on the radiator, ECO light turns on.

### 4.2 SET UP TEMPERATURE .

Once the unit is ON, press  to select the desired temperature. Depending on the temperature selected, light displayed is different; see images below




### 4.3 SELECT THE OPERATING MODE

There are 4 operating modes:


- Manual: The user determines the setpoint temperature.
- Timer: The user selects both the setpoint temperature and the operating time or downtime.
- Replay: The user selects desired temperature and time duration. The unit automatically will start and stop.
- Pilot Wiring.



#### Manual Mode

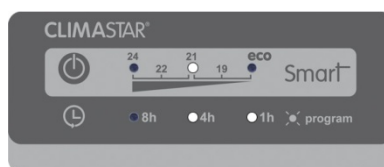
To select temperature, press  repeatedly until the light activates on the desired temperature (see figures 2.2).

#### Timer Mode

**Timer connection:** The device will work at the preset temperature as per user's configuration

Press  to select the desired temperature

Press  to select the operating time. By pressing  repeatedly, operating hours or a combination of operating hours will be selected. E.g.



The unit is programmed at 21°C during 5 hours.

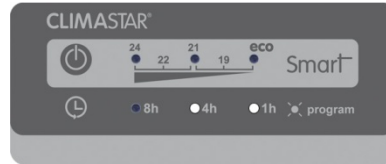
To deactivate the timer function press ⌚ repeatedly until the time LEDs are deactivated.

**Timer disconnection:** The device will stop working as per user's configuration.

On starting the device again, press ⬇ to select the temperature to reach.

Press ⬇ during 2 seconds to switch to OFF mode.

Press ⌚ to select the switch-off time of the device. Press and hold ⌚ repeatedly to select the operating hours or the combination of operating hours of the device. I.e.:



The device is disconnected during 5 hours

To deactivate the timer function press ⬇ repeatedly

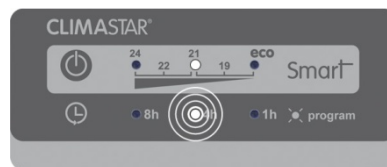
### Replay Mode

Press ⬇ to select the desired temperature.

Press ⌚ to select the operating cycle. By pressing it repeatedly, programmed hours or a combination of programmed hours will be selected.

To select the replay mode, press ⌚ for a few seconds, time lights start to flash, replay mode is activated.

Programming time starts as soon as it is set. e.g.



## 5- CLEANING AND MAINTENANCE

- The radiators do not require any special maintenance providing thermal comfort during large periods. Clean dust with a dry, soft cloth only when the unit is disconnected and cold.
- Keep the floor clean to avoid stains on the wall.
- At the beginning of the year's heating season, the inner parts of the radiator should be vacuumed because dust can be accumulated in the heating element while the time of the year that the radiator is been off.
- Do not use solvents or abrasive products for cleaning.
- After the heating season disconnect the radiator with the switch located on the right side of the radiator.
- This inertia radiator has been manufactured under an assured quality system using environment friendly processes.
- Please take the heaters to a clean point once their useful life is finished, in order to recycle their materials in the right way.

## 6- TECHNICAL SPECIFICATIONS

SMART EASY TECH AND SMART TOUCH 500 – 800 - 1000	
Power: (W)	500, 800 and 1000
Size: (mm)	500 x 500 x 70
Weight: (Kg)	11
SMART EASY TECH AND SMART TOUCH 1500 y 2000	
Power: (W)	1500 and 2000
Size: (mm)	500 x 1000 x 70
Weight:(Kg)	22
SMART EASY TECH AND SMART TOUCH VERTICAL	
Power: (W)	800
Size: (mm)	1000 x 500 x 70
Weight:(Kg)	22
Voltage: (V)	230 V
Frequency: (Hz)	50 Hz
Ceramic component:	DUAL KHERR
External Housing	Powder coated steel structure
Plug:	On request
THERMOSTAT	
Features:	TOUCH VERSION Temperature range from 15 to 28°C EASY TECH VERSION Temperature range from 18 to 24°C
SAFETY THERMOSTAT	
Number of Thermostats:	1
Features:	Bimetallic
Reset_	Automatic
Rated temperature:	90± 0.5°C
Reset temperature:	65 ± 10°C
TYPE OF PROTECTION	
Class:	II
IP:	24

## 7- TROUBLESHOOTING

PROBLEM	PROBABLE CAUSE	SOLUTION
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 in this user's guide.
	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 <sup>2</sup> 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.
The display does not work	The device does not work	Switch off the heater; wait some minutes and switch it on.
Time is not correct	Disconnection from power supply	Set time again
Blocked buttons	No response from operating buttons	Press buttons softly and rise your finger after each pressing (TOUCH) Press buttons ON and TIMER for 3 seconds.
The display shows incomplete figures	Check the display has not been in contact with water	Try to dry the device using a hairdryer
The display shows a red dot	The display is in stand-by mode	Press any button and the display will activate
Temperature does not go below 15°C	Low temperature limit	Temperature range: 15-28°C
The display shows "dashes"	The device is blocked	Press button POWER/ESC during 4 seconds and press the DOWN arrow.

## 8- GUARANTEE TERMS

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®

CLIMASTAR GLOBAL COMPANY S.L.

Carretera AS-266 OVIEDO-PORCEYO/ Km.7 Pruvia

33192 - Llanera (Asturias)

Telf: 985 66 80 80 / Fax: 985 264 751

[www.climastar.es](http://www.climastar.es)



**WARNING :** In order to avoid overheating do not cover the heater.



The symbol on the product or in its packaging indicates that this product may not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product. These instructions are only valid in the EU member states.