# USER'S GUIDE

CLIMASTAR
silicium technology

ErP Compliant

# SILICIUM TOUCH

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# 1. Introduction

**Congratulations on your purchase of your SILICIUM TOUCH 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.**

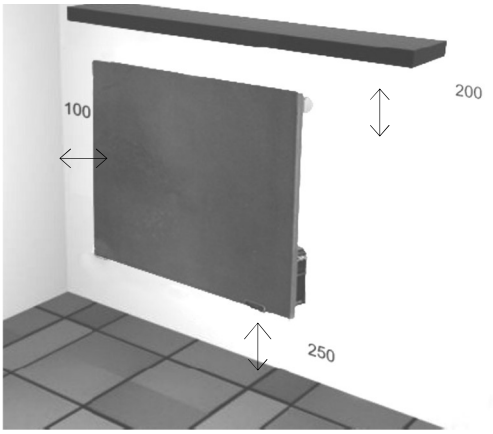
- The warranty of the heater will not cover any damage caused by non observance of any of these instructions.
- This guide must be kept and given to any new owner.
- IMPORTANT SAFETY ADVISE: When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electrical shock, and injury to persons, including the following:
    - IMPORTANT - If this heater is installed in a room containing a bath or shower, it should be so installed that switches and other controls cannot be touched by a person using a bath or shower.
    - The installation of this product should be carried out by an electrician or competent person and be in strict accordance with the current IEE Wiring Regulations and relevant Building Regulations.
    - The heater must be installed in accordance with these instructions.
    - The heater must be mounted using the wall bracket supplied.
    - The heater should be positioned in accordance to the clearances stated in these instructions.
- WARNING THE SURFACE OF THIS HEATER CAN BE HOT: Momentary contact with any part of the heater should not cause injury. However aged or infirm persons or young children should not be left unsupervised in the vicinity of the heater unless a suitable guard is fitted.
- Not intended for use by children or persons with reduced, physical, sensory or mental capabilities. Cleaning and maintenance must not be carried out by children without supervision.
- The heater must be installed, moved or installed by an electrician or competent person and be in strict accordance with the current IEE Wiring Regulations and relevant Building Regulations.
- 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.
- Before connecting the heater check that the supply voltage is the same as that stated on the heater.
- WARNING: To avoid overheating NEVER cover or obstruct in any way the heat outlet slots at the top of the heater or the air inlet slots at the base of the heater.
- DO NOT cover the heater - Do not place material or garments on the heater or obstruct the air circulation around the heater.
- 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 mm2 for electrical connection. It may be used to connect the heater to the fixed wiring of the premised 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 supply cable is damaged, it must be replaced by the manufacturer, its after sales service agents or any other competent qualified person.
- 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 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.

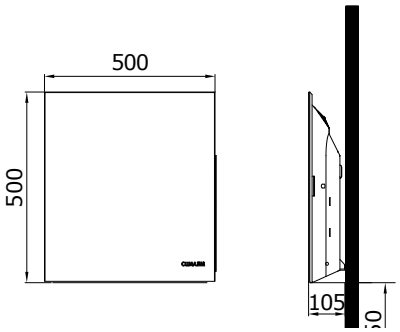
To obtain optimum performance it is necessary to maintain a minimum clearance of 15 cm between the radiator and any inflammable material as furniture, curtains etc.

Recommended clearances required to maintain optimum performance are indicated on the following picture:

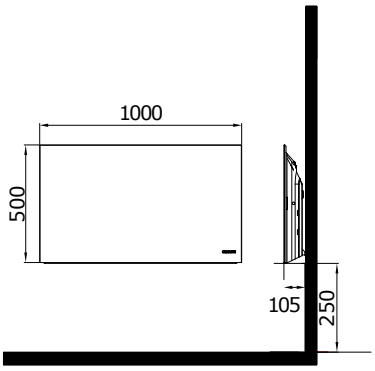


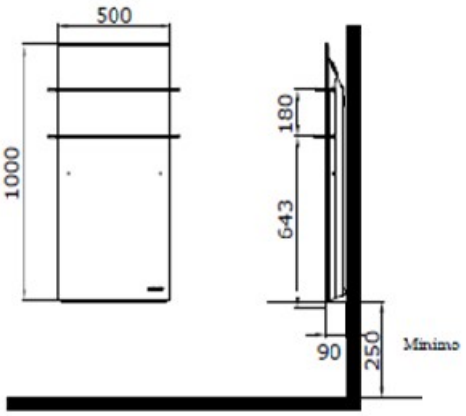

**TOUCH 1500 - 2000 W**

**TOUCH 500 – 800 – 1000 W**



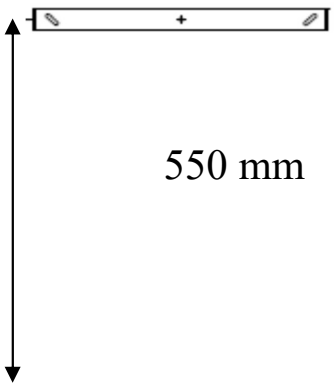

**TOUCH 800 - 1300 W V**



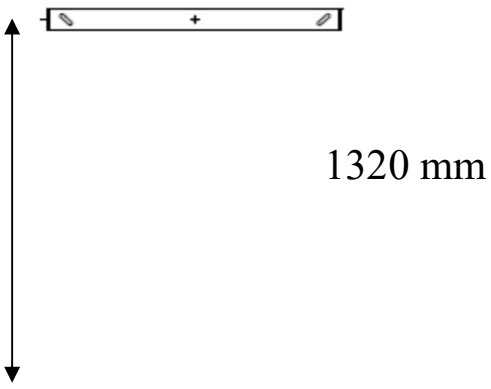




- Once decided the location to install the device, remove the packaging and extract the device and its mounting kit
-Fix the support to the wall using it as a pattern. A correct stabilization of the support clamp is required. The image below shows where to drill to fix the support (recommended distance).

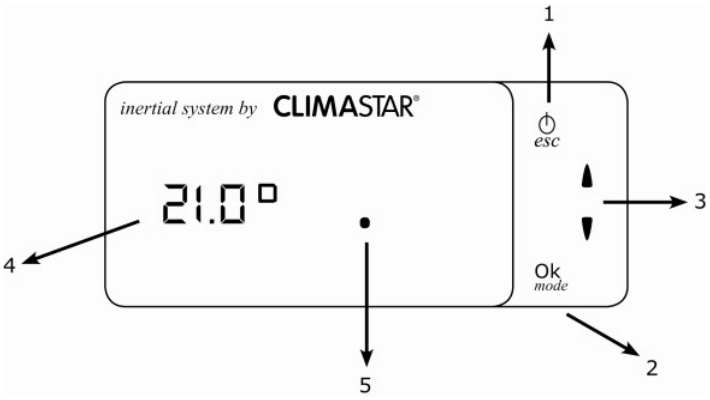
Horizontal radiator




Vertical radiator



# 3. Using the Smart TOUCH Inertia Radiators




**1.** "**POWER** ⏻**/*esc***" button: Turn on and off the device / allows moving back from any menu.
**2.** "**OK/*mode***" button: to access main menu and select or confirm the desired option.
**3.** "**UP/DOWN**" arrows ▲ ▼ : allows you 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

After connecting the power cable to a mains power outlet, click the switch on the right. The display starts, shows a welcome message, and shows OFF. To start the device, press ⏻ (Power button) and the set temperature appears on the screen.

## 3.2 SETTING DATE AND TIME

**a)** Press the '**OK/*mode***' button for a few seconds.
**b)** The display shows I-CONFIG TIME (Configure Time).
If not, press ▲ until you see it and press the '**OK/*mode***' button.
**c)** The display shows H (Hours), using the ▲ and ▼ buttons adjust the hours to the current time and press the '**OK/*mode***' button.
**d)** The display now shows N (Minutes), using the ▲ and ▼ buttons adjust the minutes to the current time and press the '**OK/*mode***' button.
**e)** The display now shows **DAY.1**, use the ▲ and ▼ buttons to select the current day of the week (i.e. **DAY.1** is Monday, **DAY.2** is Tuesday, Etc.) and then press the '**OK/*mode***' button.
**f)** The display now shows I-CONFIG TIME (Configure Time) again. Press the '⏻**/esc**' button.

The date and time are now set. Your device is now working!

## 3.3 MANUAL MODE

In this mode, the device works using factory settings. All you have to do is press ⇩⇧ to select the desired temperature. The set temperature can be modified from **15º C** to **28º C** in intervals of **0.5º C**.

*How to select the manual mode.*

**a)** Press the '**OK/*mode***' button.

**b)** Select the mode by pressing ▲ or ▼ buttons until MAnu (Manual Mode) is displayed and press the '**OK/*mode***' button to confirm.

**c)** Now select the desired temperature by pressing ▲ and ▼ buttons.

The heater will now operate and cycle on and off up to the desired temperature.

Note:- The **FROST** setting automatically activates to prevent temperatures going below **7ºC**. To activate this setting simply press the '⏻**/esc**' (Power button) to turn the heater off, the display should show OFF.

## 3.4 AUTOMATIC MODE

In this mode the device works on the programmed 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. (Frost protection if heater goes below 7°C.)

**ECO**, economy temperature, 3ºC below set temperature. i.e. Comfort temperature set by user is 21°C then the ECO temperature would automatically set to 18°C.

**ON,** comfort temperature. As set by the user this temperature can be modified in the manual or automatic mode when the temperature is shown on the display.

**3.4 AUTOMATIC MODE** (continued)

*How to select and carry out custom programming.*

**a)** Press the '**OK/*mode***' button.

**b)** Select the auto mode by pressing the ▲ button until AUTO (Automatic Mode) is displayed and press the '**OK/*mode***' button to confirm.

**c)** The display will now show the set temperature together with a red dot that indicates the unit is working in automatic mode. If the unit has been programmed previously then it may show A.OFF.

**d)** Press the '**OK/*mode***' button for a few seconds until 1-CONFIG TIME (Configure Time) is displayed.

**e)** Press the ▲ button and then press the '**OK/*mode***' button on 2-SELECT DAY (Select Day).

**f)** Press ▲ and ▼ buttons to select the day you wish to change the on/off times and then press the '**OK/*mode***' button.

**g)** The display now shows 00.oF or 00.Ec or 00.on depending on how it was previously programmed. The 00 indicates the time in hours, i.e. 00=12:00am, 01=01:00am and so on.

**h)** By using the ▲ and ▼ buttons you can select .oF (OFF), .Ec (ECO) or .on (ON) for that time period. Once selected Press the '**OK/*mode***' button to move onto the next time period.

**i)** Repeat step **h)** until you go through all the 24 hours. The display will now show 2-SELECT DAY allowing you to select the next day to program. Press the '**OK/*mode***' button and continue from step **f)** if you wish to program each day individually. Alternatively you can copy one day to the next by following steps in section **3.5 COPY FUNCTION** step **b)**.

**3.5 COPY FUNCTION**

This function enables you to copy a previously programmed day to any other day. i.e. day1 to day2 or day1 to day5, etc.

*To copy the setting of one day into another, do as follows:*

**a)** Press the '**OK/*mode***' button for a few seconds until 1-CONFIG TIME (Configure Time) is displayed.

**b)** Press ▲ button until 3-COPY DAY is displayed and press the '**OK/*mode***' button.

**c)** Press ▲ button to select the day you wish to copy and press the '**OK/*mode***' button.

**d)** The display will now show 1==1, 2==1, etc depending on which day you selected. The first number is the day you are copying from, the second number is the day you are copying too.

**e)** By Pressing ▲ button you can now change the day you want to copy too, once happy Press the '**OK/*mode***' button to copy.

**f)** You are now taken back to 3-COPY DAY menu where you can Press the '**OK/*mode***' button to copy another day (repeat from step **c)** ) or exit by Pressing the '⏻**/esc**' button.

*Note:-* If AUTO (Automatic Mode) is selected the heater cannot be turned off. To turn off the device, Press the '**OK/*mode***' button and use ▲ and ▼ buttons to select MANU (Manual Mode) then Press the '**OK/*mode***' button. You can now turn off the device using the '⏻**/esc**' button.

**3.6 PILOT WIRING MODE**

In this mode the device works following instructions from an external controller.

*How to select FP mode?*

**a)** Press the '**OK/*mode***' button.

**b)** Press the ▲ button until F.P. is displayed and press the '**OK/*mode***' button.

**c)** The display will show the set temperature together with a red flashing dot that indicates the unit is working in FP mode.

*Note:-* If **F.P.** mode is selected the heater cannot be turned off. To turn off the device, press 'OK' and using the ▲ and ▼ buttons select MANU (Manual Mode) then Press the '**OK/*mode***' button. You can now turn off the device using the '⏻**/esc**' button.

### 3.7 KEY BLOCK FUCTION

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

**a)** Press the '**OK/*mode***' button for a few seconds until 1-CONFIG TIME (Configure Time) is displayed.

**b)** Repeatedly press the ▲ button until 4-PROTECTED is displayed and then press the '**OK/*mode***' button.

**c)** Press the ▲ button until On is displayed and then press the '**OK/*mode***' button.

The display now shows ---- to indicate the controls are now locked.

**To unlock the device**, wait until the dashes disappear and the display shows the temperature then press and hold down the '⏻**/esc**' button for 5 seconds until the dashes are shown again, now press the ▼ button to confirm.

### 3.8 SOUND FUNCTION

The SOUND function enables you to activate and deactivate the beep emitted on touching the buttons. *To activate or deactivate the sound do as follows:*

**a)** Press the '**OK/*mode***' button for a few seconds

**b)** Repeatedly press the ▲ button until 5-SOUnd is displayed and then press the '**OK/*mode***' button.

**c)** Press the ▲ button to select On (to activate) or OFF (to deactivate) the beep and press the '**OK/*mode***' button to confirm.

### 3.9 OTHER INFORMATION

- If you enter a submenu, and stop using the device for a few seconds, it will automatically return to the main menu.
- If you 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. To turn on the screen again, press any key on the button panel.
- Even if the device is in an **OFF** cycle, the radiator can still start working. This is because it has a minimum frost protection set temperature as per factory set to 7ºC. This mode is called **FROST PROTECTION** and it prevents the room temperature going below 7ºC temperature.
- The device also has a built in sensor that detects any sudden temperature changes that may occur, i.e. when a window is opened, air conditioners activated, or any other circumstance that may prevent the radiator from raising the room temperature. This mode activates when the temperature decreases by 3ºC in 5 minutes. At this stage, the radiator turns off and shows OPEn on the display; this mode stays until this decreasing tendency disappears.

## 5. Cleaning and Maintenance

- The radiators do not require any special maintenance providing thermal comfort during large periods. Dust clean with a dry, soft cloth only when the unit is disconnected and cold.
- 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.
- Do not use solvents or abrasive products for cleaning.
- After the heating season turn off 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.
- Disposal: Please take the radiator to a recognised disposal point so any useful material is recycled in the right way.

# 6. Technical Specifications

## TOUCH

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Power: (W)** | *500 W* | *800 W* | *1000 W* | *1500 W* | *2000 W* | *800 W* | *1300 W* |
| **Dimensions: (mm)** | H.500 x W.500 x D.105 | | | H.500 x W.1000 x D.105 | | H.1000 x W.500 x D.105 | |
| **Weight: (Kg)** | 11 | | | 22 | | 22 | |
| **Voltage:** | 230v ~AC | | | **Class:** | | II | |
| **Frequency:** | 50 Hz | | | **IP Rating:** | | 24 | |
| **Ceramic component:** | DUAL KHERR | | | | | | |
| **External Housing:** | Powder coated steel structure | | | | | | |
| **Thermostat** | TOUCH VERSION Temperature range from 15 to 28°C | | | | | | |
| **Safety thermostat** | Bimetallic, Automatic, Rated Temperature: 90 ±5°C,Reset Temperature: 65 ±10°C | | | | | | |

| **Heat output** | | *500 W* | *800 W* | *1000 W* | *1300 W* | *1500 W* | *2000 W* |
|---|---|---|---|---|---|---|---|
| Nominal heat output | $P_{nom}$ | *0,5 kW* | *0,8 kW* | *1,0 kW* | *1,3 kW* | *1,5 kW* | *2,0 kW* |
| Minimum heat output (indicative) | $P_{min}$ | *N.A.* | *N.A.* | *N.A.* | *N.A.* | *N.A.* | *N.A.* |
| Maximum continuous heat output | $P_{max,c}$ | *0,5 kW* | *0,8 kW* | *1,0 kW* | *1,3 kW* | *1,5 kW* | *2,0 kW* |
| **Auxiliary electricity consumption** | | *500 W* | *800 W* | *1000 W* | *1300 W* | *1500 W* | *2000 W* |
| At nominal heat output | $el_{max}$ | *N.A.* | *N.A.* | *N.A.* | *N.A.* | *N.A.* | *N.A.* |
| At minimum heat output | $el_{min}$ | *N.A.* | *N.A.* | *N.A.* | *N.A.* | *N.A.* | *N.A.* |
| In standby mode | $el_{SB}$ | *0,000 kW* | *0,000 kW* | *0,000 kW* | *0,000 kW* | *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 | no |
| with adaptive start control | no |
| with working time limitation | yes |
| with black bulb sensor | no |

**CLIMASTAR GLOBAL COMPANY, S.L**
Carretera AS-266 Oviedo-Porceyo, Km 7.
33192 Pruvia (Llanera) - Asturias - Spain

# 7. FAQs

| 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 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. |
| | Lower and Upper grids are obstructed. | Do not place anything on top or below the radiator. |
| | Set temperature below the room temperature. | Rise the radiator's set temperature until it is 1 degree above the room temperature. |
| The radiator does not operate. | The ⏻/esc button has been pressed and the heater is turned off. | Press the ⏻/esc button and turn on.<br>(the display shows ON) |
| | The switch at the side of the heater is turned to the off position. | Set the switch at the right side of the heater to position 'I'. |
| | The set program 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. | Dust, Carpet fibers or smoke fumes going through the heater. | Vacuum any dust and loose carpet fibers below the heater. Reframe from burning candles or smoking in the same room. |
| The display does not work | Disconnection from power supply. | Make sure the power going to the device and is turned on. |
| No response from buttons | Control panel has been locked to prevent pressing of buttons. | Refer to key locking function section 3.7 |
| The display shows a red dot. | After a short amount of time if no buttons have been pressed the display goes into stand-by mode. | Press any button and the display will activate |
| Temperature does not go below 15ºC. | The heaters temperature is at its limit. | The heaters temperature range is 15-28ºC. |
| The display shows "dashes" | The device is blocked | Press button POWER/ESC during 4 seconds and press the DOWN arrow. |

## 8. 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 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 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 GLOBAL COMPANY S.L.*
*Carretera AS-266 OVIEDO-PORCEYO/ Km.7 Pruvia*
*33192 - Llanera (Asturias)*
*SPAIN*
*Telf: +34 985 66 80 80 / Fax: +34 985 264 751*
*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).