

# USER'S GUIDE

**CLIMASTAR**  
silicium technology



## SILICIUM ETNA



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## 0 INTRODUCTION

Congratulations on your purchase of your SILICIUM ETNA mobile 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.

Our heating system pleasantly warms all the air in the room. Via natural **convection** and **radiation**, the heat is transmitted rapidly and homogeneously, ensuring maximum comfort.

In addition, thanks to the Climastar team, it uses DUAL KHERR as an element and **storage heater**. Due to its optimal balance between thermal inertia and ability to maintain the temperature, it prevents that feeling of heat loss in the atmosphere that other devices have when switching off.

Our equipment guarantees electrical safety, thermal behaviour, electromagnetic compatibility and offers protection against accidental contact with low voltage parts and penetration of water or liquids in electrically active areas. In other words, it has been designed and manufactured in accordance with the requirements of the standard EN60335-1 for electrical safety of household equipment.

Therefore, our heating system combines all the benefits and functions present in this manual. You will also have the opportunity to add new benefits with the optional equipment available.

We at Climastar thank you for all the confidence you have placed in our heating system, and hope that you will be satisfied with the results.

# 1 GENERAL INFORMATION

## 1.1 GENERAL ADVICE

*Before discussing the location of the heating equipment, we ask you to take a few minutes to carefully read the service instructions. The dual kherr radiator guarantee will be invalidated if any damage or poor performance results from incorrect use of the equipment.*

- Read all instructions before using this heater
- The equipment must only be used for heating.
- A well-proportioned and thermally insulated room will guarantee that the heating system provides sufficient heat for your complete satisfaction.
- The manufacturer is not responsible for any damage caused by errors in the positioning and use of the apparatus or non-observance of the instructions provided.
- The manufacturer reserves the right to modify the product and relevant technical documentation without incurring any obligation to third parties.
- Installation in the home must conform to current Low Voltage Electrical Equipment Regulations.
- See recommendations for use in section 7.

## 1.2 SAFETY WARNINGS

### IMPORTANT INSTRUCTIONS

- Do not cover the etna portable heater with fabrics, curtains, furniture or other combustible material.  
*Note: The equipment comes with a warning sticker indicating the above which the user can remove when considered appropriate.*
- Do not use the etna portable heater to dry clothing.
- The equipment operates by the entry of cold air in the lower part of the apparatus and the exit of hot air via the grill in the upper part. For it to work correctly, **the grills must not be covered or obstructed.**
- The immediate surroundings of the equipment must be kept clean of dust and waste. This will prevent stains appearing on the wall near the equipment. **ETNA radiators do not contain**

**any fuel in their interior so any appearance of stains is always due to environmental factors.**

- When the equipment is working, its outer surface is hot so children must be kept away from the radiator.
- Any operation inside the equipment for its repair, maintenance, transfer, etc. must **always** be performed by a professional electrician and with the apparatus disconnected.
- It is not necessary to earth (electrically isolate) the equipment, as it is Class II.
- If the connecting tube deteriorates or is in a poor state, it must be replaced by a qualified electrician, manufacturer or technical service (minimum 2 x 16 AWG)
- This heater is hot when used, To avoid burns, do not let bare skin touch hot surfaces.
- Keep combustible materials at least a 2m from the front of the heater and away from the sides and rear.
- Extreme caution is necessary when the heater is used by or near children or invalids and whenever the heater is left operating and unattended.
- Always keep the heater unplugged if its not going to be used.
- Do not operate the heater if the cord or the plug are damaged or after the heater malfunctions, has been dropped or damaged in any manner. Return heater to an authorized service facility for examination.
- Do not use the heater outdoor.
- Never locate the heater where it may fall into a bathtub or a water container
- Do not run cord under carpeting. Do not cover cord with throw rugs, runners or similar coverings. Arrange cover away from traffic area and where it will not be tripped over.
- To disconnect the heater, turn controls off and then unplug.
- Do not insert or allow foreign objects to enter any ventilation or exhaust opening as it may cause an electric shock or fire or damage the heater.
- To prevent a possible fire, do not block air intakes or exhaust in any manner. Do not use it in soft surfaces, like a bed, where openings may become blocked.
- A heater has hot and arcing parts inside. Do not use it areas where gasoline, paint or flammable liquids are used or stored.

- Use this heater only as described in this manual. Any other use is not recommended as it may cause electric shock or injuries to persons.
- Avoid the use of an extension cord as it may overheat and cause risk of a fire.
- **SAVE THESE INSTRUCTIONS TO PREVENT ANY INCONVENIENCE WITH THE HEATER.**

### **1.3 MANUFACTURER**

For any communication related to the equipment purchased, we recommend you always provide the following data:

- Serial number (the plate with the equipment details is located on one side. It contains the serial number of the apparatus and its technical characteristics.)
- Date of acquisition
- Details of the problem

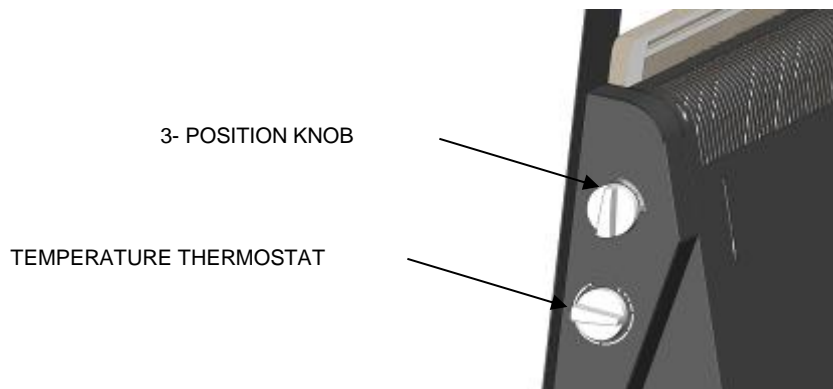
Original spare parts are recommended when replacing equipment parts. The manufacturer will not be responsible for any deterioration in performance or damage caused to the equipment by the use of spare parts which are not original.

## **2 BEFORE CONNECTING YOUR EQUIPMENT**

- **Before connecting the equipment to the mains, make sure the control receiver makes good contact. To do so, push it towards the interior of the equipment.**
- Make sure the supply voltage corresponds to that indicated on the instrument details plate (located on the left side of the equipment)
- Connection to the mains is carried out using the card or plug supplied with the mains cable.
- The equipment **must not be placed in areas with a risk of explosion or fire.** For example: fuel, oil or gas storage areas, etc.

- The supply cables for this or any other equipment must not be placed in contact with the surface of the apparatus.
- If the radiator has been located in the kitchen or bathroom, it must be placed so that the controls **cannot be operated by anyone in contact with water**, whether in the bath or the shower.

### 3 MANAGEMENT INSTRUCTIONS



SWITCHED OFF  
DEVICE



HEATER WORKING AT  
750 W



HEATER WORKING AT  
1500W



TEMPERATURE THERMOSTAT  
REGULATION



INCREASING  
TEMPERATURE

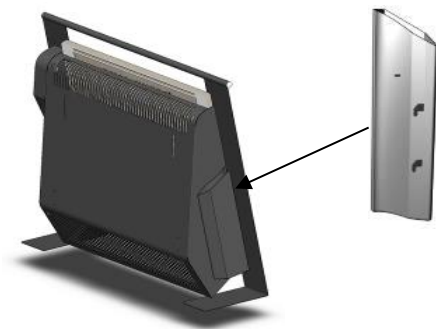


If you wish to roll the cord, please use the plate placed in the lateral panel of the heater.



## **4 OPTIONS**

### **4.1 HUMIDIFIER**



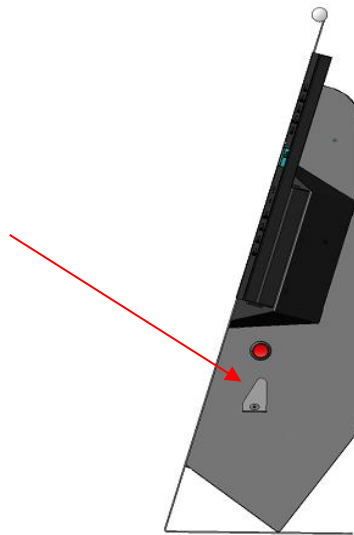
Humidification that allows you enjoy the ideal temperature without feeling dry or suffering other typical problems of heating in general.

## **5 RECOMMENDATIONS OF USE**

The Climastar range of heating products needs no maintenance. Only certain preventive measures may be necessary:

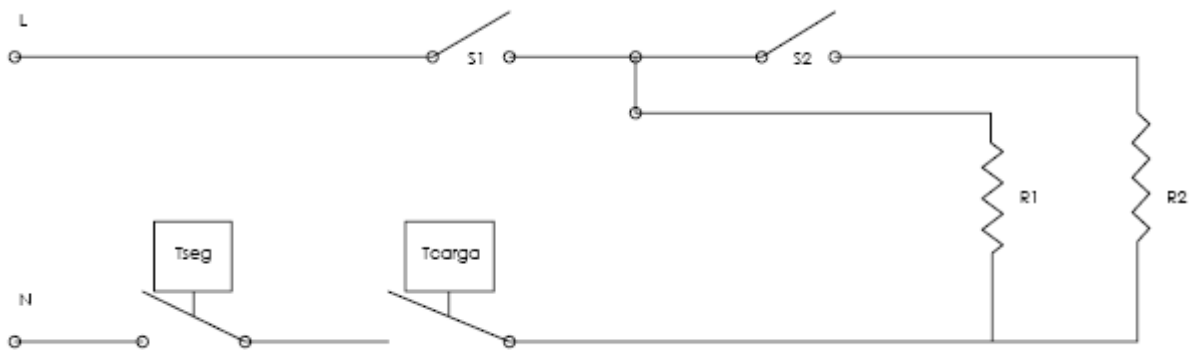
- Do not cover the air exits. Do not place clothing over them.
- Keep floors clean to avoid staining on the wall.
- At the start of each heating season, vacuum the interior of the equipment. After being switched off for some time, dust may accumulate on the element.
- Do not place the equipment under a ventilation grill or near any location that may generate a draught.
- Install the equipment so that nothing prevents the circulation of air generated (furniture, curtains, etc). Otherwise, a loss of temperature control or performance may be found.

- To prevent loss of heat and therefore wasting electricity, if possible, improve insulation of the windows with draught excluders, double glazing or thermal breaks.
- The DUAL KHERR can be cleaned with a damp cloth, alcohol or even nitric acid (for difficult stains). Due to its durability, it will not be degraded by the use of any type of substance (Standards EN 99 and EN 202). Also, thanks to its composition, direct sunlight can shine directly on the equipment without altering its appearance (Standard EN 51094).
- The equipment cover can be cleaned with a damp cloth or with any type of conventional cleaning product.
- If you wish to roll the cable, please use the plate in the lateral panel of the heater:



## 6 TECHNICAL CHARACTERISTICS

### 6.1 ELECTRICAL SCHEME



### 6.2 SPECIFICATION SHEET

| COLECCIÓN ETNA          |                          |
|-------------------------|--------------------------|
| MODEL                   | PORTÁTIL                 |
| DIMENSIONS (cm)         | 64,9 x 61,8 x 25         |
| VOLTAGE (V)             | 230 V                    |
| FREQUENCY (Hz)          | 50 Hz                    |
| POWER (W)               | 1.500 W                  |
| HEAT ACCUMULATION PANEL | DUAL KHERR               |
| CONVECTION BOX          | AISI STEEL PAINTED BLACK |
| INSULATION              | CLASS II                 |
| PROTECTION INDEX        | IP20                     |
| WEIGH(Kg.)              | 13,8                     |
| SAFETY THERMOSTAT       | MANUAL                   |
| RATED TEMPERATURE (° C) | 100°                     |
| HEATING ELEMENT         | STEEL AND COOPER         |

# ETNA

| Heat output  |             |          |
|--|-------------|----------|
| Nominal heat output                                  | $P_{nom}$   | 1,5 kW   |
| Minimum heat output (indicative)                     | $P_{min}$   | 0,75 kW  |
| Maximum continuous heat output                       | $P_{max,c}$ | 1,5 kW   |
| Auxiliary electricity consumption                    |             |          |
| At nominal heat output                               | $el_{max}$  | N.A.     |
| At minimum heat output                               | $el_{min}$  | N.A.     |
| In standby mode                                      | $el_{SB}$   | 0,000 kW |
| Type of heat output/room temperature control         |             |          |
| single stage heat output and no room temperature     |             | no       |
| Two or more manual stages, no room temperature       |             | no       |
| with mechanic thermostat room temperature control    |             | yes      |
| with electronic room temperature control             |             | no       |
| electronic room temperature control plus day timer   |             | no       |
| electronic room temperature control plus week timer  |             | no       |
| Other control options (multiple selections possible) |             |          |
| room temperature control, with presence detection    |             | no       |
| room temperature control, with open window detection |             | no       |
| with distance control option                         |             | no       |
| with adaptive start control                          |             | no       |
| with working time limitation                         |             | no       |
| with black bulb sensor                               |             | no       |

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## 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

AUTHORIZATION. 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

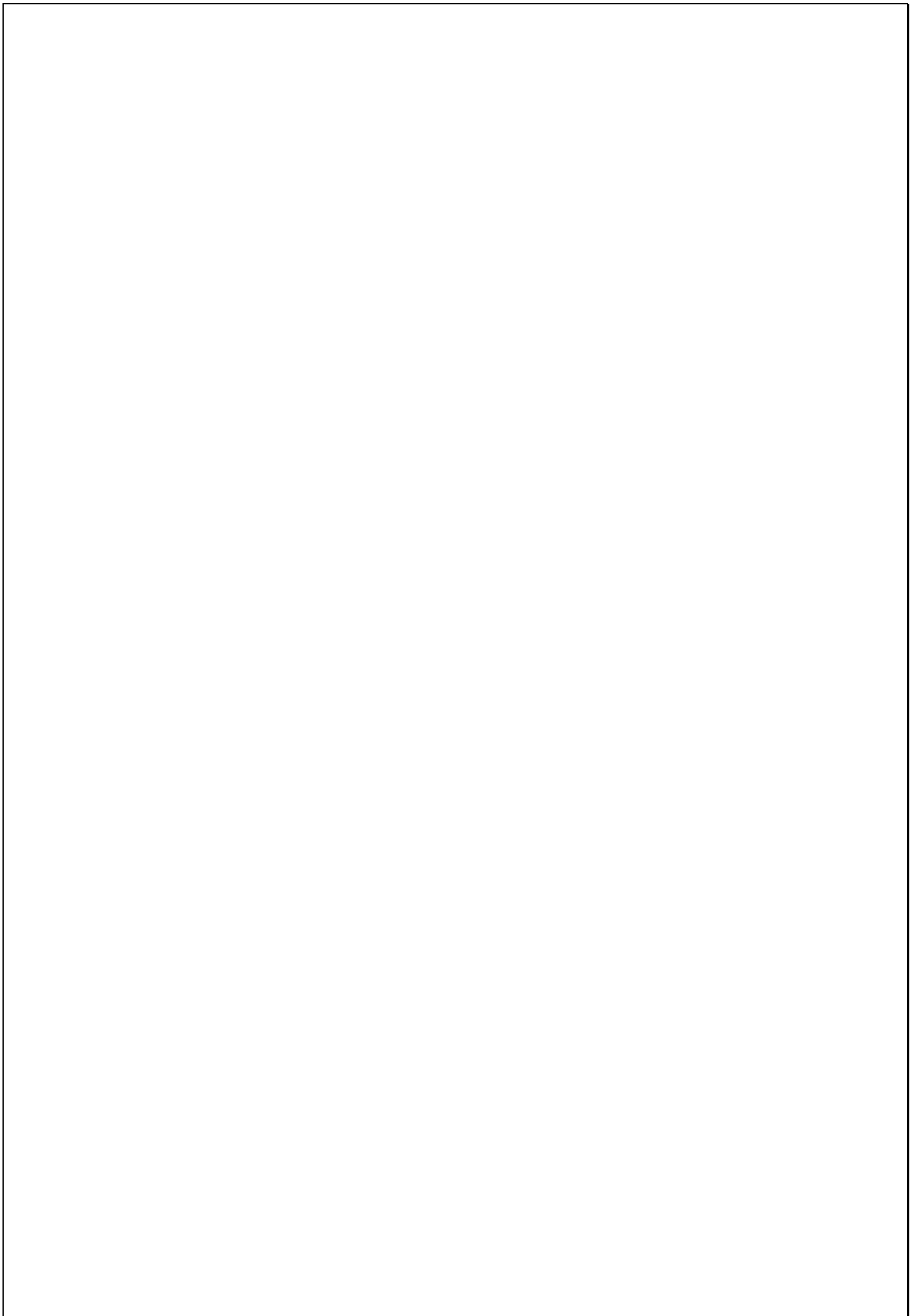
the selling centre which will be in charge of receiving the system.

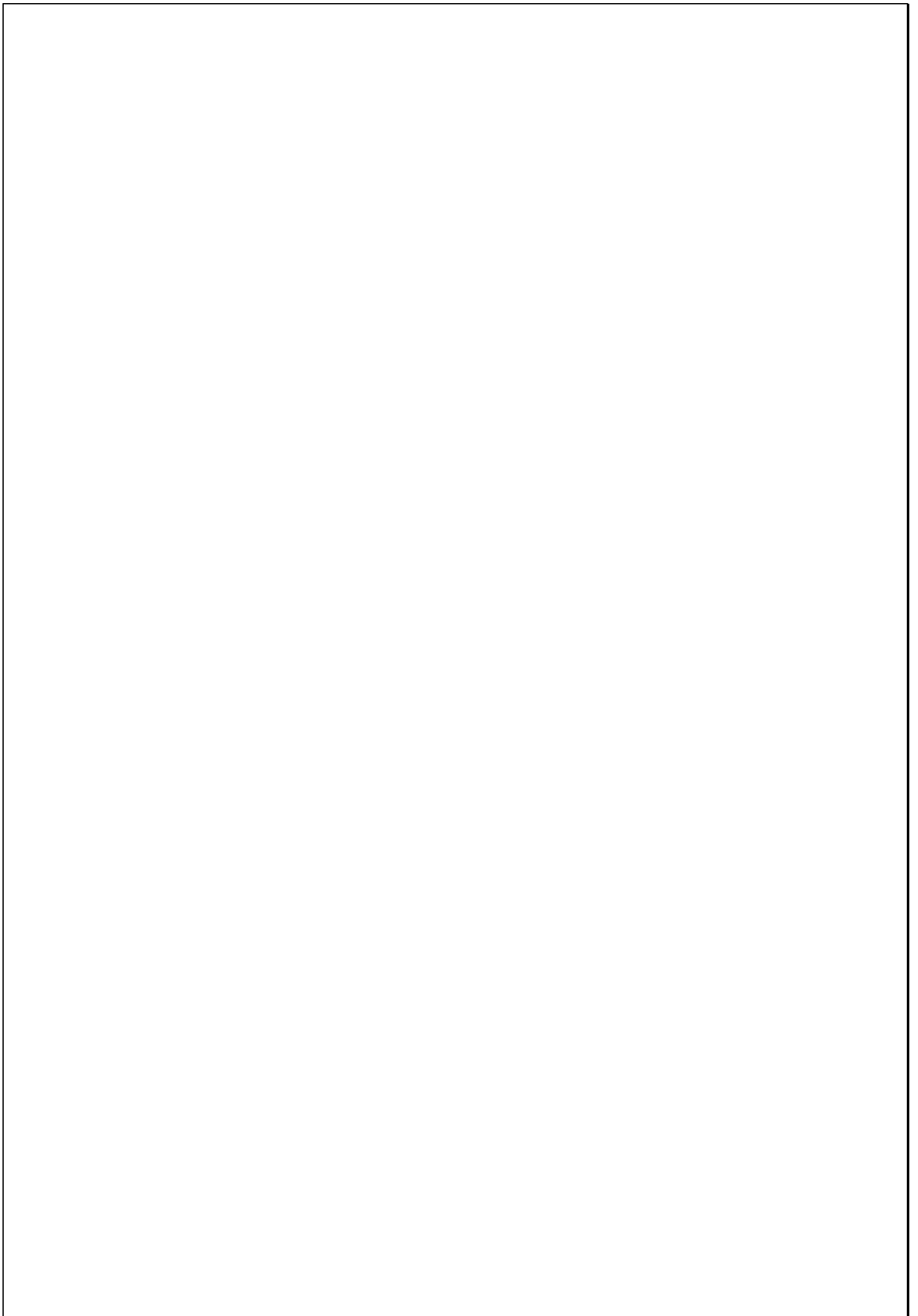
- RESPONSIBILITY LIMITATION: CLIMASTAR as a manufacturer is not responsible for any personal or material damage that

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 may be extended or modified without the express consent of CLIMASTAR.





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silicium technology

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CARDBOARD PACKAGING CAN BE RECYCLED



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