

INSTRUCTION
MANUAL



CR SYSTEM
AVANT
ENGLISH



CONTENTS

0	INTRODUCTION.....	3
1	GENERAL INFORMATION.....	3
1.1	GENERAL ADVICE.....	3
1.2	SAFETY WARNINGS.....	4
1.3	MANUFACTURER.....	5
1.4	ONLY FOR ROOM HEATER.....	5
1.5	ONLY FOR BATHROOM HEATER.....	5
2	DESCRIPTION OF THE EQUIPMENT.....	6
3	BEFORE CONNECTING YOUR EQUIPMENT.....	8
4	ATTACHING THE EQUIPMENT TO THE WALL.....	8
5	CR SYSTEM AVANT.....	10
5.1	SWITCHING EQUIPMENT ON/OFF.....	10
5.2	ADJUSTMENT OF OPERATION MODE.....	11
5.3	MANUAL MODE "MA".....	11
5.4	REMOTE MODE "RE".....	12
5.4.1	CONFIGURATION OF THE REMOTE CONTROL UNIT AND DUAL KHERR HEATER.....	12
5.4.2	OPERATION OF THE RADIO-CONTROLLED REMOTE CONTROL UNIT.....	13
5.4.2.1	SETTING THE TIME.....	13
5.4.2.2	PROGRAMMING.....	13
5.4.2.3	LOCK FUNCTION.....	19
5.4.2.4	REMOTE CONTROL UNIT LIGHT.....	19
5.4.3	MANUAL ADJUSTMENT OF THE SET TEMPERATURE.....	19
5.4.3.1	ADJUSTMENT VIA THE RECEIVER.....	19
5.4.3.2	ADJUSTMENT VIA THE REMOTE CONTROL UNIT.....	19
5.5	SWITCHING THE LED ON/OFF WHILE THE EQUIPMENT IS WORKING.....	20
5.6	CHILD LOCK FUNCTION.....	20
5.7	RADIO OPERATION.....	21
6	EXTRAS.....	22
6.1	HUMIDIFIER.....	22
6.2	AROMATHERAPY UNIT.....	22
7	RECOMMENDATIONS OF USE.....	23
8	TECHNICAL CHARACTERISTICS.....	23
9	COMMON PROBLEMS AND SOLUTIONS.....	25

0 INTRODUCTION

Congratulations for buying a Climastar system. You have chosen a unique patented heating system, an innovative technology with an exclusive design that fits perfectly in your home.

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

In addition, thanks to the Climastar system, it uses DUAL KHERR as an element and **accumulates heat**. Due to its optimal balance between thermal inertia and ability to maintain the temperature, it prevents the heating loss that other devices suffer 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 UL1278 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 accessories available.

Climastar appreciate 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 AVANT DUAL KHERR heater 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 heater or non-observance of the instructions provided.
- The manufacturer reserves the right to modify the product and relevant technical documentation at its discretion without any obligation to third parties.
- Installation in the home must meet any federal and local Low Voltage Electrical Equipment Regulations.
- See recommendations for use in section 8.
- If the heater is not going to be used in a long period of time, unplug the cord, bend and hold it with an elastic band and place it over the upper grill of the heater. It is not necessary to take down the heater from the wall

1.2 SAFETY WARNINGS

IMPORTANT INSTRUCTIONS

- Do not cover the AVANT DUAL KHERR 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 at its discretion.
- Do not use the AVANT DUAL KHERR heater to dry clothing.
- The equipment operates letting the cold air gets in through the bottom of the device and throwing the hot air through the grill in the upper side. To do so, **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. **AVANT DUAL KHERR heaters 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 facade is hot so children must be kept away from the heater.
- Any operation inside the equipment for its repair, maintenance, transfer, etc. must **always** be performed by a professional electrician and with the heater disconnected.
- It is not necessary to earth (electrically isolate) the equipment, as it is Class II.
- If the cord deteriorates or is in a poor state, it must be replaced by a qualified electrician, manufacturer or technical service (minimum 2 x 16 AWG)
- The bottom of the heater must be placed not less than 10 inches above the finished floor.
- This heater is hot when used, To avoid burns, do not let bare skin touch hot surfaces.
- Keep combustible materials at least a 6 ft from the facade 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 acting 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 device and its technical features.)
- Date of acquisition and invoice.
- 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.

1.4 ONLY FOR ROOM HEATER

Model CR SYSTEM Avant shall not be used in bathroom or similar places.

1.5 ONLY FOR BATHROOM HEATER

CAUTION: although this device is provided with protection which reduces the risk of electric shock, this product should never be used near water.

This heater is not intended for use with an extension cord. Plug the cord directly into an appropriate wall receptacle.

GROUND FAULT INTERRUPTION SAFETY DEVICE (GFI PLUG)

This device provides protection against electric shock due to ground fault currents by automatically shutting off the power. To test the operation of the GFI plug switch the heater ON. Press the TEST button on the GFI plug device attached to the plug end of the power cord. The heater should stop operating and de Power Light should turn off. Press the RESET button on the GFI plug device to resume normal operation of the heater. This device should not be used as an ON/OFF operation switch.

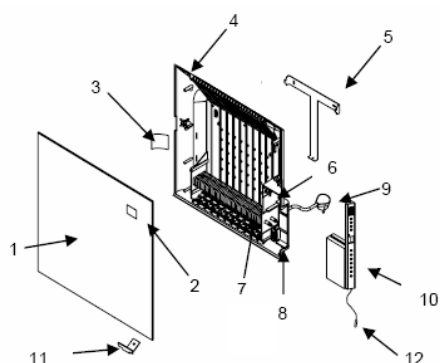
WARNING ABOUT CORRECT DISPOSAL OF THE PRODUCT ACCORDING TO THE EUROPEAN DIRECTIVE 2002/96/CE.



Environmental information for customers within the European Union. The EU Directive 2002/96/CE declares that equipment carrying this symbol on it and/or its packaging must not be disposed of alongside ordinary household waste. The symbol indicates that the product in question must be separated from conventional household waste for disposal. It is the responsibility of the customer to dispose of this equipment and any other electrical and electronic heater through collection points designated by the government and/or local authorities. By correctly disposing of and recycling this heater, you will be avoiding possible negative consequences for the environment and human health. For more detailed information on safe disposal of this heater, consult your local authority, the collection service and waste disposal in your area or ask in the shop where you bought the product.

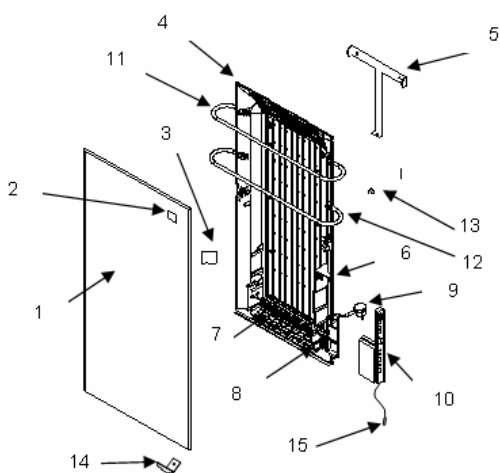
2 DESCRIPTION OF THE EQUIPMENT

CR SYSTEM

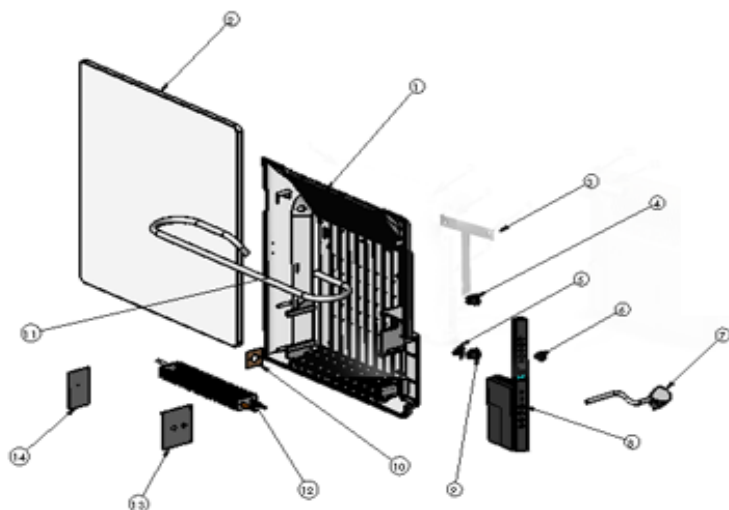


Nº	DESIGNATION
1	DUAL KHERR
2	DO NOT COVER STICKER
3	RATING PLATE
4	BACK COVER
5	WALL SUPPORT
6	SECURITY THERMOSTAT
7	RESISTANCE
8	ON/OFF SWITCH
9	PLUG
10	ELECTRONIC CONTROL
11	MICROSTAPLES
12	TEMPERATURE PROBE

BATHROOM HEATER CR SYSTEM

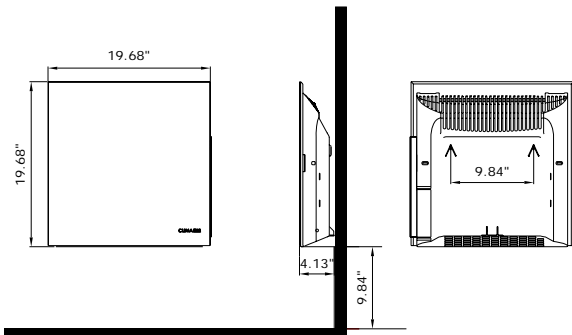


Nº	DESIGNATION
1	DUAL KHERR
2	DO NOT COVER STICKER
3	RATING PLATE
4	BACK COVER
5	WALL SUPPORT
6	SECURITY THERMOSTAT
7	RESISTANCE
8	ON/OFF SWITCH
9	PLUG
10	ELECTRONIC CONTROL
11	TOWEL RAILS
12	TOWEL RAILS
13	ON/OFF RAILS RESISTANCE SWITCH
14	MICROSTAPLES
15	TEMPERATURE PROBE

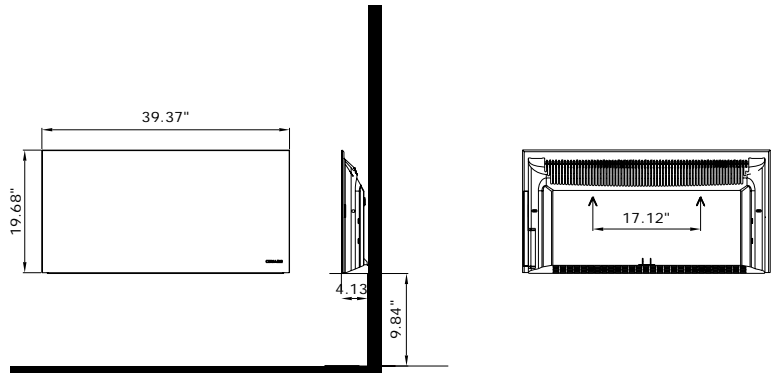


Nº	DESIGNATION
1	BACK COVER
2	DUAL KHERR
3	WALL SUPPORT
4	ON/OFF SWITCH (TOWEL RAILS)
5	STRING RELIEF
6	ON/OFF SWITCH (GENERAL)
7	PLUG
8	ELECTRONIC CONTROL
9	SECURITY THERMOSTAT
10	MICANITE
11	TOWEL RAIL
12	RESISTANCE
13	MICANITE
14	MICANITE

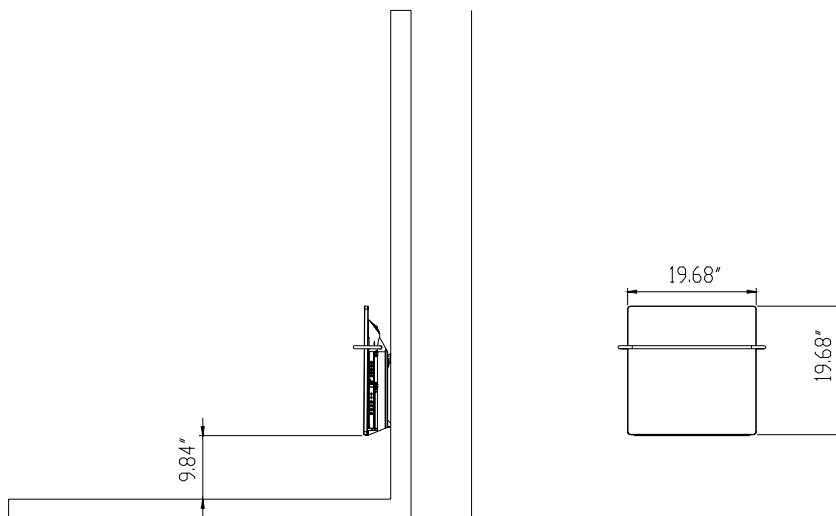
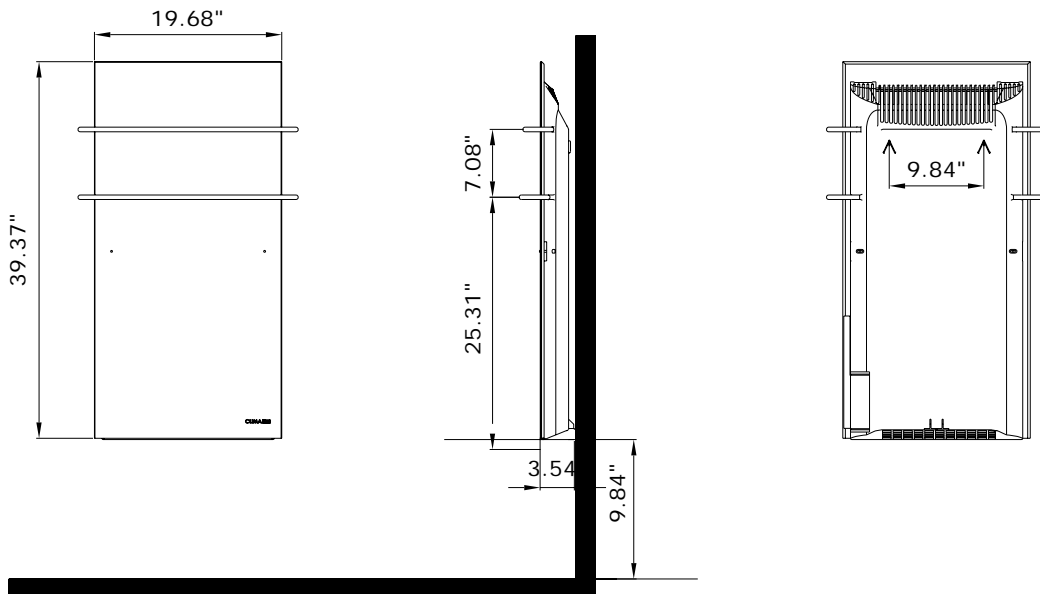
CR SYSTEM 800



CR SYSTEM 1500

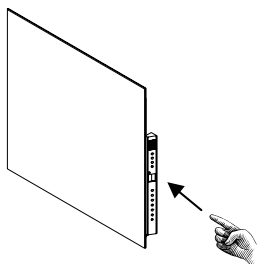


BATHROOM HEATER 800



3 BEFORE CONNECTING YOUR EQUIPMENT

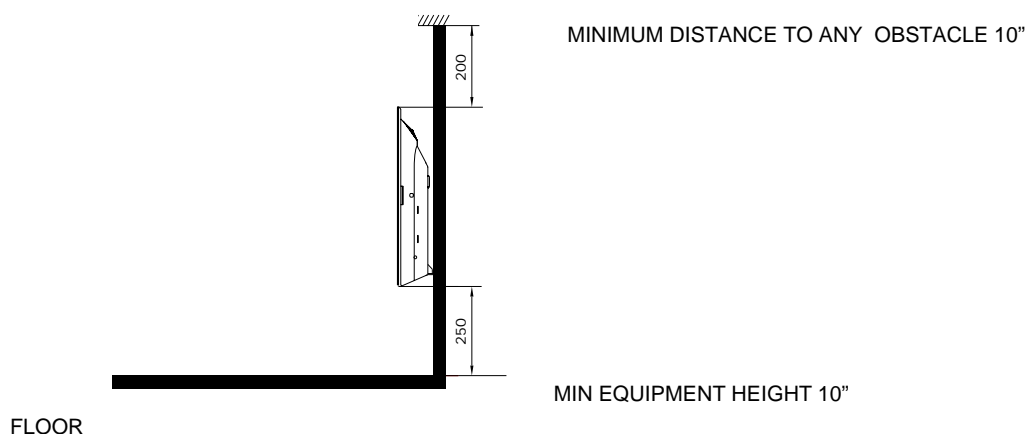
- Before connecting the equipment to the outlet, make sure the control receiver makes good contact. To do so, push it towards the interior of the equipment.



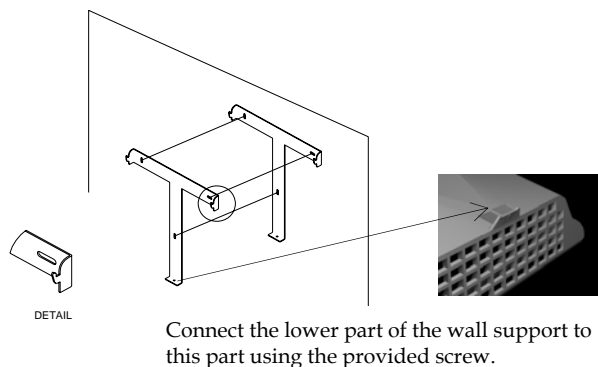
- Make sure the supply voltage corresponds with indicated on the instrument details plate (located on the left side of the equipment)
- Connection to the outlet is carried out using the cord and plug supplied.
- The equipment **must not be placed in areas with a risk of explosion or fire**. For example: fuel, oil or gas storage areas, etc.
- The supply cords for this or any other equipment must not be placed in contact with the surface of the heater.
- If the heater 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.

4 ATTACHING THE EQUIPMENT TO THE WALL

- The equipment is supplied with 2/8 in wall anchors, screws and a wall support.
- When placing the equipment on the wall, the distances shown in the following diagram must be observed.



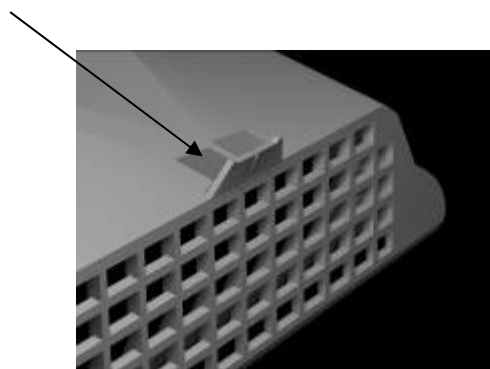
- Once the location has been decided, take out the contents and inside you will find a complete assembly kit.
- Attach the support to the wall as shown in the following diagram. It is important to keep the wall fixation levelled.



Note: The package also comes with guide marks that can be used as a template to make the holes for the support.



Recommendation: Once the equipment is attached to the wall, the cable can be run above the wall support to keep it from view.



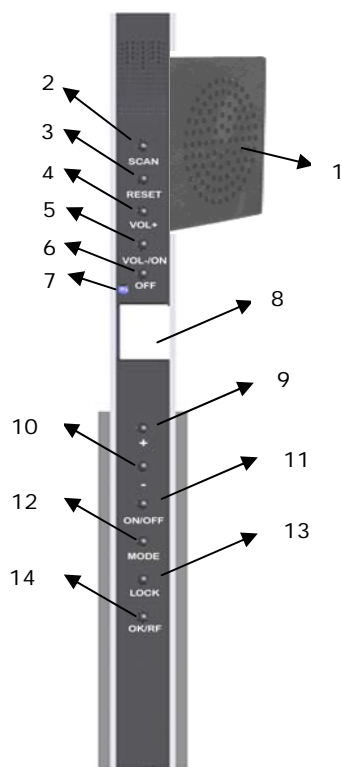
Important: When placing the heater make every effort to avoid a location near draughts (doors, windows, etc). Also, do not fix it on partition walls or in places with obstacles that block natural convection and/or radiation.

Note: For CR System Avant models, if there are a several suitable locations available, choose the best place for tuning the radio.

5 CR SYSTEM AVANT



With ENERGY STAR[®] thermostat integrated



- 1 – SPEAKER
- 2 – SCAN BUTTON (RADIO TUNER)
- 3 – RESET BUTTON (RADIO)
- 4 – VOLUME "+" BUTTON (RADIO)
- 5 – VOLUME "-" / ON BUTTON (RADIO)
- 6 – OFF BUTTON (RADIO)
- 7 – LED
- 8 – DISPLAY
- 9 – "+" BUTTON
- 10 – "-" BUTTON
- 11 – "ON/OFF" BUTTON
- 12 – "MODE" BUTTON
- 13 – "LOCK" BUTTON
- 14 – "OK/RF" BUTTON

5.1 SWITCHING EQUIPMENT ON/OFF

Behind the electronic control, you will find a ON/OFF switch. Place this switch in I position to permit electricity reach the control. A red light can be seen if this switch is working. If this switch is not connected the heater will not work. Once you want to disconnect the heater, turn off the switch by pressing O position.



Press ON/OFF to turn the equipment on or off.



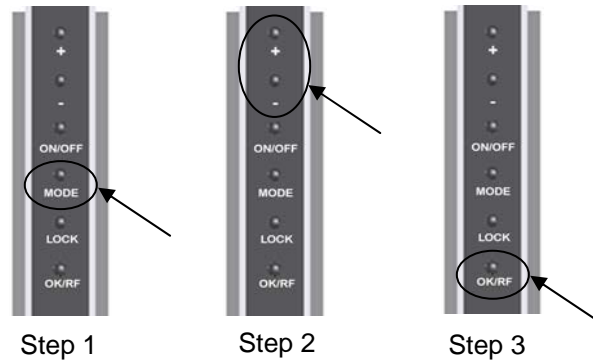
5.2 ADJUSTMENT OF OPERATION MODE

1. Press “MODE” for 3 seconds. The different modes of operation MA or RE will flash on the equipment display.

MA: manual control of temperature
RE: control via the remote control unit.
GF: only for France territories

2. Using the “+” or “-” key, choose the mode you want.

3. Press “OK/RF” once to confirm. If you press nothing, it will be automatically confirmed after 15 seconds.



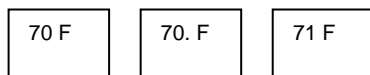
5.3 MANUAL MODE “MA”

In this mode, the user chooses a constant set temperature for the equipment, as below:

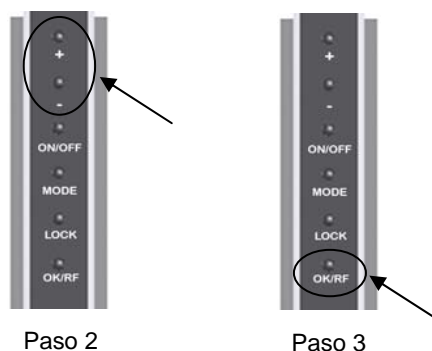
1. Select the mode manual, MA on the equipment (see section 5.2).

2. Press “+” or “-” to change the set temperature desired. Each time you press, the temperature will increase or decrease by 0.5 F.

*For example: The display shows us a temperature of 70F and we want to increase it one degree.
Press “+” once and 70.F will appear (the point indicates half a degree).
Press “+” again and 71F will appear.*



3. Press the “OK/RF” button to confirm selection of the temperature chosen. This will be done automatically if no button is pressed for 15 seconds.



Once set, the temperature and time will appear in the display. The led will be lit while the equipment is working.

Note: If there is a power cut and then power is restored, the equipment will return to its pre-power cut conditions, ie the temperature set and whether switched on or off.

Note: Although the CR SYTEM AVANT incorporates individual programming for each equipment, if you want to install a program, home automation or external time-controlled thermostat to control the AVANT DUAL KHERR heater, you will have to select this mode from the operation manual, (see section 5.4.).

5.4 REMOTE MODE "RE"

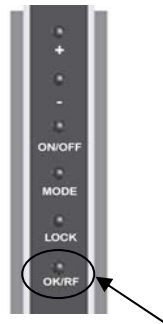
In this mode of operation, (see section 5.2 for how to select it), the user can independently program each heater, for both number of hours of operation and temperature set.



5.4.1 CONFIGURATION OF THE REMOTE CONTROL UNIT AND DUAL KHERR HEATER

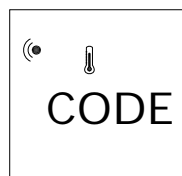
The way to configure both the equipment and remote control unit (so that both work on the same radio frequency and the information can be transferred quickly and easily) is explained below.

Once configured, ie both work under the same radio frequency, there is no need to re-configure every time you want to change to a new program. (unless it has been de-configured or interfered with by another piece of equipment with a nearby frequency).

1. Select remote mode RE (see section 5.2) on the equipment.
2. Press "OK/RF" for 3 seconds. The led will begin to flash and the equipment will be ready to receive the remote control unit code for working on the same radio frequency.



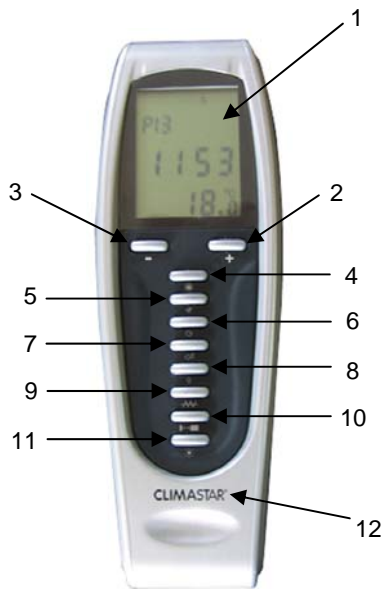
3. Press the "CODE" key on the remote control unit  for 5 seconds. "CODE" will appear on the display and  will flash 3 times. The led of the equipment will stop flashing when it has received the new code.










Both pieces of equipment will then have established the necessary communication to transfer the programming the user wants and the led of the equipment will stop flashing.





Note: The reach of the remote control unit for programming the equipment is 9 ft within the room the user is in.

5.4.2 OPERATION OF THE REMOTE CONTROL UNIT



- 1.- DISPLAY
- 2.- + BUTTON
- 3.- - BUTTON
- 4.- SET BUTTON 
- 5.- PROG BUTTON P
- 6.- TIME BUTTON 
- 7.- TEMP BUTTON 
- 8.- LOCK BUTTON 
- 9.- SWING BUTTON 
- 10.- CODE BUTTON 
- 11.- DISPLAY LIGHT 
- 12.- LOGO

5.4.2.1 SETTING THE TIME

1. - Press the "TIME" key . The number corresponding to the day of the week (1 Monday, 2 Tuesday, etc) will flash on the screen.
2. - Using the "+" or "-" key adjust the day of the week.
3. - Press the "TIME" key . The digits corresponding to the hour will flash on the screen.
4. - Using the "+" or "-" key adjust the hour.
5. - Press the "TIME" key . The digits corresponding to the minutes will flash on the screen.
6. - Using the "+" or "-" key adjust the minutes.
- 7.- Press the "SET" key  to confirm. This will be done automatically if no button is pressed for 15 seconds.



5.4.2.2 PROGRAMMING

All equipment have 13 programs. The pre-set ones (which cannot be modified by the user) are from P1 to P9, and those from P10 to P13 have the option of being programd by the user.




1. PROGRAMMING USING PRE-SET PROGRAMS

The manufacturer preset programs, for both timetable and temperature, are the following:

PROGRAM "P1" – Continuous use 1- (Working outside home)					
DAYS	INTERVAL	T ^a	DAYS	INTERVAL	T ^a
M-F	00:00 – 06:00	64	SAT-SUN	00:00 – 06:00	64
M-F	06:00 – 09:00	68	SAT-SUN	06:00 – 09:00	68
M-F	09:00 – 13:00	64	SAT-SUN	09:00 – 13:00	66
M-F	13:00 – 16:00	66	SAT-SUN	13:00 – 16:00	68
M-F	16:00 – 19:00	66	SAT-SUN	16:00 – 19:00	70
M-F	19:00 – 00:00	70	SAT-SUN	19:00 – 00:00	70
PROGRAM "P3" – Living Room / Dining Room-					
DAYS	INTERVAL	T ^a	DAYS	INTERVAL	T ^a
M-F	00:00 – 06:00	64	SAT-SUN	00:00 – 02:00	70
M-F	06:00 – 09:00	66	SAT-SUN	02:00 – 06:00	64
M-F	09:00 – 13:00	66	SAT-SUN	06:00 – 09:00	66
M-F	13:00 – 16:00	68	SAT-SUN	09:00 – 13:00	68
M-F	16:00 – 19:00	66	SAT-SUN	13:00 – 16:00	68
M-F	19:00 – 00:00	70	SAT-SUN	16:00 – 19:00	68
			SAT-SUN	19:00 – 00:00	70
PROGRAM "P5" – Teenager's bedroom -					
DAYS	INTERVAL	T ^a	DAYS	INTERVAL	T ^a
M-F	00:00 – 06:00	64	SAT-SUN	00:00 – 06:00	64
M-F	06:00 – 09:00	70	SAT-SUN	06:00 – 09:00	70
M-F	09:00 – 13:00	64	SAT-SUN	09:00 – 13:00	68
M-F	13:00 – 16:00	66	SAT-SUN	13:00 – 19:00	68
M-F	16:00 – 19:00	66	SAT-SUN	19:00 – 00:00	70
M-F	19:00 – 00:00	70			
PROGRAM "P6" – Main bedroom-					
DAYS	INTERVAL	T ^a	DAYS	INTERVAL	T ^a
M-F	00:00 – 06:00	64	SAT-SUN	00:00 – 01:00	68
M-F	06:00 – 09:00	70	SAT-SUN	01:00 – 09:00	66
M-F	09:00 – 13:00	64	SAT-SUN	09:00 – 11:00	68
M-F	13:00 – 16:00	64	SAT-SUN	11:00 – 15:00	64
M-F	16:00 – 20:00	66	SAT-SUN	15:00 – 17:00	68
M-F	20:00 – 00:00	70	SAT-SUN	17:00 – 21:00	66
			SAT-SUN	21:00 – 00:00	70
PROGRAM "P8" –Linear week-					
DAYS	INTERVAL	T ^a	DAYS	INTERVAL	T ^a
M-S	00:00 – 06:00	62			
M-S	06:00 – 08:00	70			
M-S	08:00 – 12:00	62			
M-S	12:00 – 18:00	62			
M-S	18:00 – 22:00	70			
M-S	22:00 – 00:00	62			

PROGRAM "P2" – Continuous use 2- (Working at home / Housewife)					
DAYS	INTERVAL	T ^a			
M-S	00:00 – 06:00	64			
M-S	06:00 – 09:00	68			
M-S	09:00 – 13:00	66			
M-S	13:00 – 16:00	68			
M-S	16:00 – 19:00	68			
M-S	19:00 – 00:00	70			
PROGRAM "P4" – Children's bedroom -					
DAYS	INTERVAL	T ^a	DAYS	INTERVAL	T ^a
M-TH	00:00 – 06:00	68	V	00:00 – 06:00	68
M-TH	06:00 – 10:00	70	V	06:00 – 10:00	70
M-TH	10:00 – 13:00	68	V	10:00 – 13:00	68
M-TH	13:00 – 16:00	68	V	13:00 – 16:00	68
M-TH	16:00 – 19:00	68	V	16:00 – 19:00	70
M-TH	19:00 – 22:00	70	V	19:00 – 22:00	70
M-TH	22:00 – 00:00	68	V	22:00 – 00:00	68
DAYS	INTERVAL	T ^a	DAYS	INTERVAL	T ^a
S	00:00 – 06:00	68	D	00:00 – 06:00	68
S	06:00 – 10:00	70	D	06:00 – 10:00	70
S	10:00 – 13:00	70	D	10:00 – 13:00	70
S	13:00 – 16:00	68	D	13:00 – 16:00	68
S	16:00 – 19:00	70	D	16:00 – 19:00	70
S	19:00 – 22:00	70	D	19:00 – 22:00	70
S	22:00 – 00:00	68	D	22:00 – 00:00	68
PROGRAM "P7" –Offices-					
DAYS	INTERVAL	T ^a	DAYS	INTERVAL	T ^a
M-F	00:00 – 06:00	32	SAT-SUN	00:00 – 24:00	32
M-F	06:00 – 07:00	66			
M-F	07:00 – 09:00	66			
M-F	09:00 – 14:00	70			
M-F	14:00 – 16:00	68			
M-F	16:00 – 20:00	70			
M-F	20:00 – 00:00	32			
PROGRAM "P9" –Weekend- (House occupied at weekends)					
DAYS	INTERVAL	T ^a	DAYS	INTERVAL	T ^a
M-TH	00:00 – 24:00	32	F	00:00 – 06:00	64
			F	06:00 – 09:00	64
			F	09:00 – 13:00	64
			F	13:00 – 16:00	64
			F	16:00 – 19:00	68
			F	19:00 – 00:00	70
DAYS	INTERVAL	T ^a	DAYS	INTERVAL	T ^a
SAT	00:00 – 07:00	66	SUN	00:00 – 07:00	66
SAT	07:00 – 09:00	70	SUN	07:00 – 09:00	70
SAT	09:00 – 13:00	68	SUN	09:00 – 13:00	68
SAT	13:00 – 16:00	70	SUN	13:00 – 16:00	70
SAT	16:00 – 19:00	68	SUN	16:00 – 19:00	68
SAT	19:00 – 00:00	70	SUN	19:00 – 00:00	70

To transmit one of these programs (P1 to P9 inclusive) to the equipment, take the following steps:

1. Press the "SET"  and "PROG" P keys simultaneously. The program number P xx will flash on the screen.
2. Using the "+" or "-" key select the program number. P1 to P9 are the factory set programs.
3. Press "SET"  to confirm.
4.  will flash 3 times, which means the program is being transmitted to the equipment, and the equipment led will flash indicating that it is receiving the programs selected.



2. USER DEFINED PROGRAMS

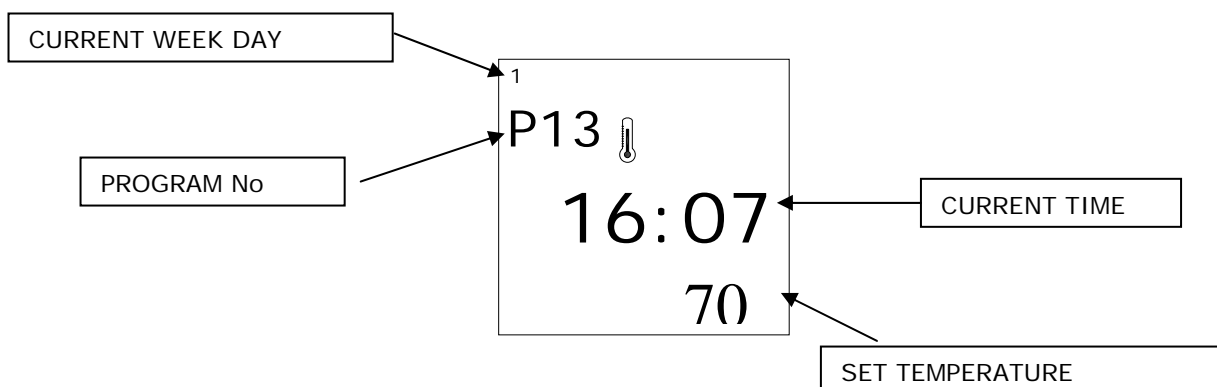
Program terminology:

Program	A series of cycles, each containing the interval start times and temperature selected. This system has 13 different programs .
Cycle	Each program can be divided into 1, 2, 3, 4, 5, 6 or 7 cycles .
Interval	Each cycle (day or group of days) has 7 intervals whose duration and temperature are set according to the use of each room.

For programs 10 to 13 (inclusive), the interval start times and set temperature can be set in certain manufacturer-set days as indicated below:


PROGRAMS	DAYS
P10	Monday to Friday Saturday and Sunday
P11	Monday to Sunday
P12	Monday to Thursday Friday Saturday Sunday
P13	Day to Day (independently)

On the remote control unit screen, the following information can be seen:



If you want to choose a program between 10 and 13 (inclusive), the following example is used to explain the process:

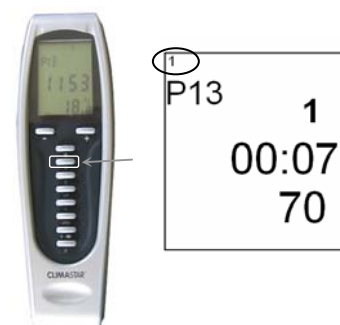
P13 (PROGRAM 13)			
MONDAY (DAY 1)			
INTERVAL	FROM	TO	TEMPERATURE
1	00:00	07:15	64 F
2	07:15	18:30	70.5 F
3	18:30	00:00	66 F

1. Press the "SET"  and "PROG" P keys simultaneously. The program number P XX will flash on the screen.

2. Using the "+" or "-" key select the program number (P13 in the example below).

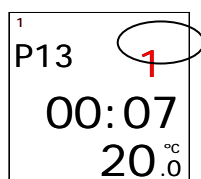


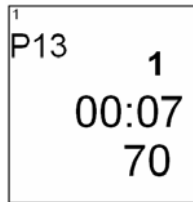
3. Press the "PROG" P key, the days of the week will flash automatically. As described in the previous table, each program has certain fixed days. In this case, P13 can be set daily. Following the example, we will program in Monday, ie using the keys "+" or "-" we will choose 1.




4. Press the "PROG" P key, the corresponding interval number will begin to flash.

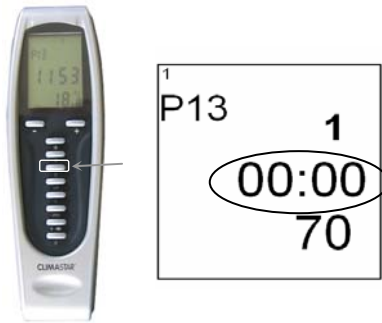
5. Using the "+" or "-" key, select the interval you want for the programming. In this case, we will begin with 1.






6. Next, press the "TIME" key . The hour will begin to flash.


7. Using the "+" or "-" key choose the start time for the period. The time will advance or go back in intervals of 15 minutes each time you press these keys.

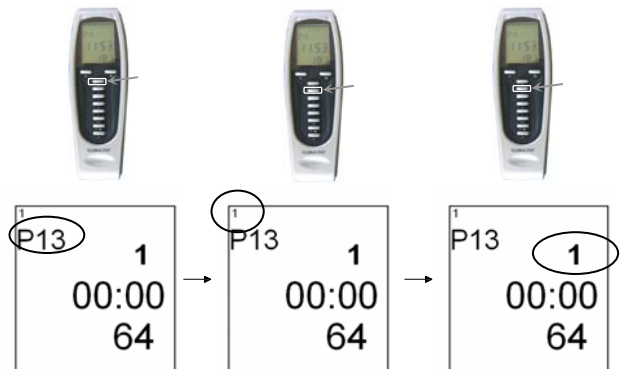


8. Press the "TEMP" key  key. The temperature will begin to flash.

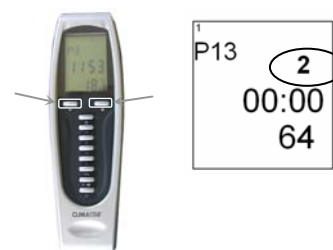
9. Using the "+" or "-" key choose the temperature to be set for this period. The temperature will advance or go back at intervals of 0.5°F each time you press these keys.








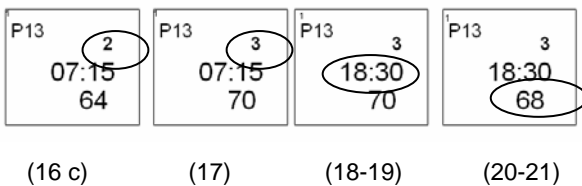
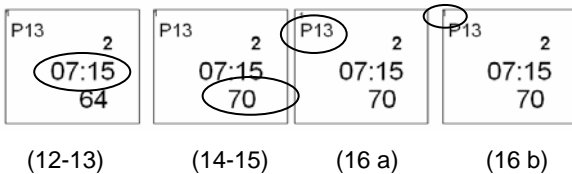
10. To program the following interval you will have to press the "SET" key . The program number will flash again (in case you want to change it), then press the "PROG" P key and the days of the week will begin to flash. Press "PROG" P again and the interval number will flash.






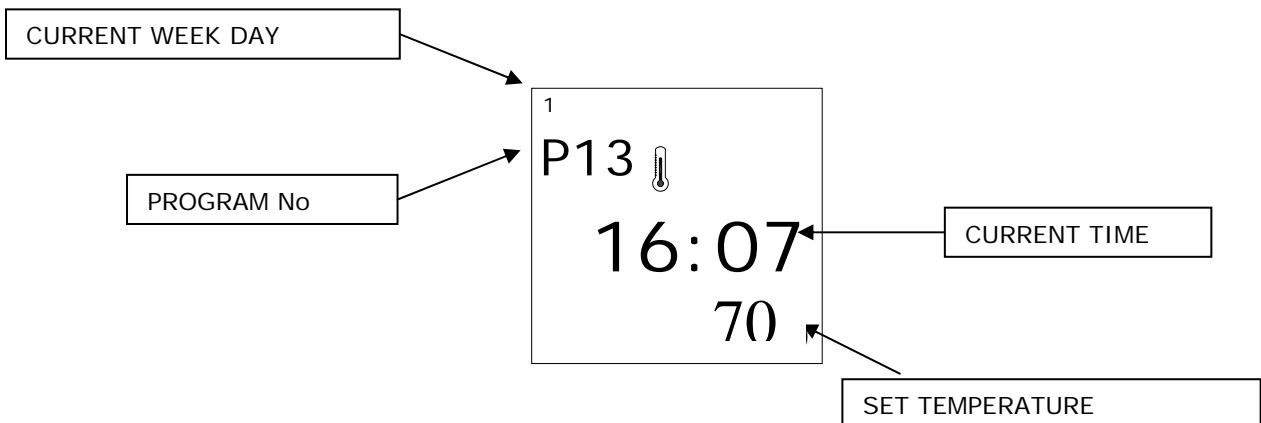
11. Using the "+" or "-" key, select the interval you want. We will choose 2.



12. Then press the "TIME"  key. The time will begin to flash.
13. Using the "+" or "-" key select the period start time. The time will advance or go back at intervals of 15 minutes each time you press these keys.
14. Press the "TEMP" key . The temperature will begin to flash.
15. Using the "+" or "-" key select the temperature to be set for that period. The temperature will advance or go back at intervals of 0.5 F each time you press these keys.
16. To program the following interval you will have to press the "SET" key . The program number will flash again (in case you want to change it), then press the "PROG" P key and the days of the week will flash. Press "PROG" P again and the interval number will flash.
17. Using the "+" or "-" key, select the next interval you want. We will choose 3.
18. Then press the "TIME"  key. The time will begin to flash.
19. Using the "+" or "-" key select the period start time. The time will advance or go back at intervals of 15 minutes each time you press these keys.
20. Press the "TEMP" key . The temperature will begin to flash.
21. Using the "+" or "-" key select the temperature to be set for that period. The temperature will advance or go back at intervals of 0.5 F each time you press these keys.






22. Press "SET" . The program number will flash.
23. To confirm the program after you have finished, press "SET"  again. On the remote control,  will flash 3 times along with the equipment led, which means it is transmitting that program to the equipment. On the remote control unit display, the following information will appear.




Note: When the batteries are running out, "bA" and the time will flash alternately on the remote unit display.

5.4.2.3 LOCK FUNCTION

This function permits you to lock the keypad of the remote control unit, as below:

- Press the "LOCK" key  for 2 seconds, after which the lock symbol  will appear on the display, signifying the keypad is locked.
- If you want unlock it, press the "LOCK" key for 2 seconds, and  will disappear from the display.

5.4.2.4 REMOTE CONTROL UNIT LIGHT

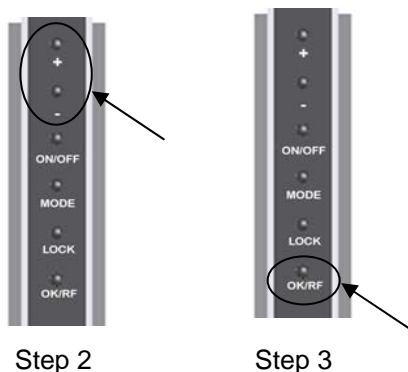
- To be able to use the remote control unit in a poorly lit place, without necessarily turning it on, press the  key.

5.4.3 MANUAL ADJUSTMENT OF THE SET TEMPERATURE

The REMOTE mode also allows you to manually adjust the set temperature until the following program lock.

5.4.3.1 ADJUSTMENT VIA THE RECEIVER

1. Put the equipment in "RE" mode (see section 6.2)
2. Press the "+" or "-" key and "HAND" will appear on the screen.
3. Press "OK/RF" once to confirm it. If you press nothing for 15 seconds, it will be confirmed automatically ("HAND" and the Ambient Temperature will flash alternately on the display).






- If you press "OK/RF" again, "HAND" will disappear from the display and the manual option will be cancelled. The equipment will then function with stored programs.
- **While the equipment is in manual mode, "HAND", no program can be transmitted except the cancellation of this option, which can be done by pressing the OK/RF button twice.**

5.4.3.2 ADJUSTMENT VIA THE REMOTE CONTROL UNIT






There are many ways to temporarily change the set temperature from the remote control unit:

- Until the following timetable lock
- Setting the number of hours
- Setting the number of days






1. MANUAL CHANGE OF THE SET TEMPERATURE

- Press "+" or "-" to select the set temperature required and it will appear on the screen 
- Press "SET"  to confirm it, or it will be confirmed automatically after 15 seconds without pressing any key.  will flash 3 times and will send the information to the equipment.

2. MANUAL CHANGE OF THE SET TEMPERATURE FOR A CERTAIN NUMBER OF HOURS

- Press “+” or “-” to select the set temperature required and it will appear on the screen 
- Press the “TIME” key  once, 1 HR and  will appear. Using the “+” or “-” key select the number of hours you want it to last for (maxim 99).
- Press “SET”  to confirm it, or it will be confirmed automatically after 15 seconds without pressing any key.  will flash 3 times and will send the information to the equipment.

3. MANUAL CHANGE OF THE SET TEMPERATURE FOR A CERTAIN NUMBER OF DAYS

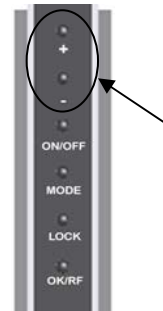
- Press “+” or “-” to select the set temperature required and it will appear on the screen 
- Press the “TIME”  key twice, 1 D and  will appear. Using the “+” or “-” key select the number of days you want it to last for (maxim 99).
- Press “SET”  to confirm it, or it will be confirmed automatically after 15 seconds without pressing any key.  will flash 3 times and will send the information to the equipment.

Important: For each degree increase of temperature, it will consume about 7% more power.

5.5 SWITCHING THE LED ON/OFF WHILE THE EQUIPMENT IS WORKING

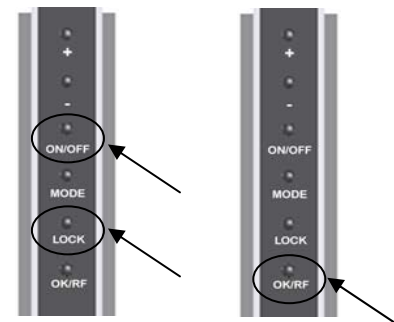
So as not to turn on the led while the equipment is in operation, simultaneously press the buttons “+” and “-” for 3 seconds. The led will flash once and it will turn off. The equipment will continue working.

To turn the led back on, press “+” and “-” again for 3 seconds. It will flash once and illuminate.



5.6 CHILD LOCK FUNCTION

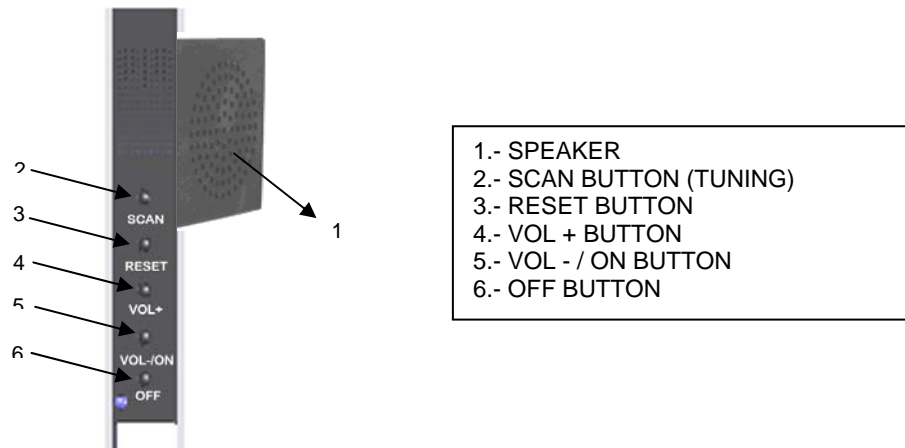
1. To activate the equipment button lock press the button “LOCK” and without letting go press “ON/OFF”. LOCK ON will appear on the display.
2. To unlock it, press the button “LOCK” and without letting go press “ON/OFF”. LOCK OFF will appear on the display.
3. To check, press the “OK/RF” button.



Note: The equipment keeps the last program and time for 15 minutes if there is a power cut. You will have to confirm the time afterwards, and, if necessary, reset the time so the program runs correctly.

Note: After pressing any button on the equipment, the display screen will turn on. It will turn itself off after 15 seconds of pressing nothing.

5.7 RADIO OPERATION



1. The speaker for the radio is supplied in a separate box. Install it using the following steps:

- a. Remove the pin covers (figure 1)
- b. Insert the pins (figure 2) in the two holes (figure 3) in the lower part of the receiver control of the equipment.

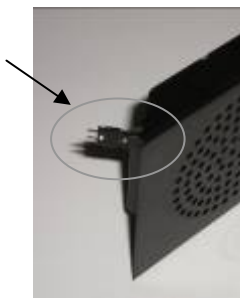


Figure 1



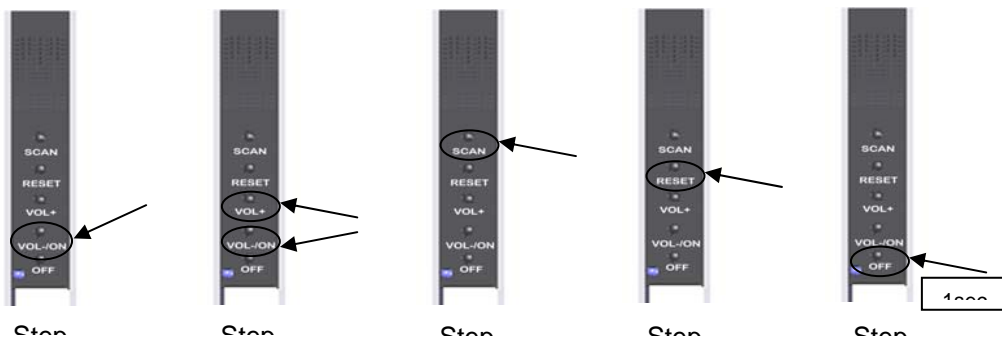
Figure 2



Figure 3



2. To turn the radio on, press the button "VOL-/ON" once.
Do not keep on pressing it as you may inadvertently lower the volume of the radio.
3. Once switched on, use the buttons "VOL +" and "VOL-/ON", respectively, to increase or decrease the volume.
4. To tune in to the different stations, use the "SCAN" button.
Press the "SCAN" button until you find the station of your choice.
5. "RESET" button: Each time a complete "scan" has been done, it must be reset to begin a new cycle.
6. To switch off, press the "OFF" button for 1 second.



Note: The location of the equipment may affect the tuning adjustment for the stations. The radio has no memory, so you will have to tune into the station you want each time you switch the radio on.

6 ACCESORIES

6.1 *HUMIDIFIER*



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

To install it, insert the flaps in the slots situated on the left side of the equipment cover.

6.2 *AROMATHERAPY UNIT*

With this extra, Climastar gives the customer the option of enjoying essences allowing you to configurate your own personalised environment.

There are two methods of application according to the strength of aroma you want:

1. Place a few drops in the humidifier container. The effect will be slight.
2. Place 3 drops of essence on the grill of the equipment. This will give a stronger effect. See picture opposite.

Concentrated
Aroma: 3 drops on
the grill.



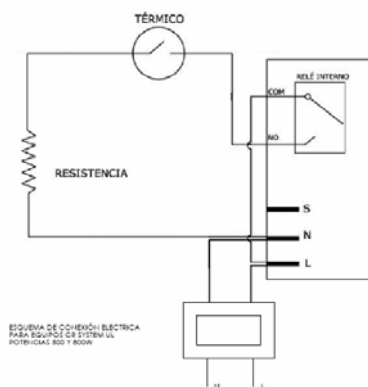
7 RECOMMENDATIONS OF USE

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

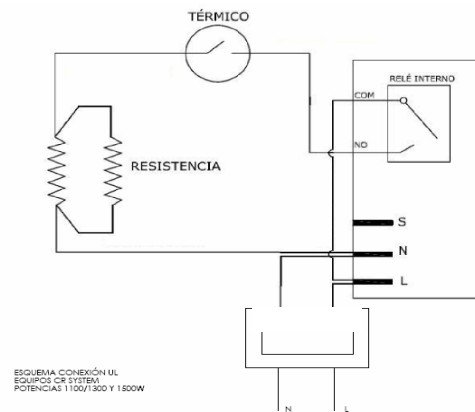
- Do not cover the air exits. Do not place clothing over them.
- Keep floors clean to avoid staining on the wall.
- At the start of each heating season, vacuum the interior of the equipment. After being switched off for some time, dust may accumulate on the element.
- Do not place the equipment under 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.
- Do not install the equipment between thin walls. Otherwise, a loss of temperature control or performance may be found, as in the previous point.
- 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.

8 TECHNICAL CHARACTERISTICS

Internal electrical circuit diagrams:



ELECTRICAL CIRCUIT DIAGRAM
CR SYSTEM 800
CR SYSTEM BATHROOM HEATER



ELECTRICAL CIRCUIT DIAGRAM
CR SYSTEM 1500

SPECIFICATION SHEET

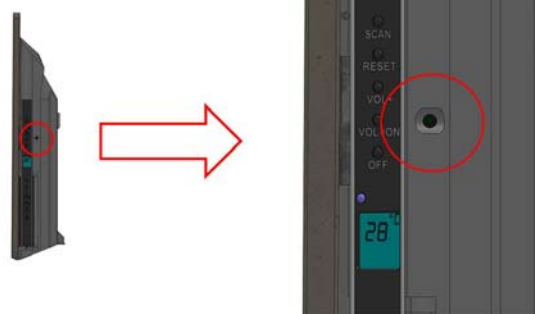
Description:	CR SYSTEM DUAL KHERR 800W / 2730 BTUS
Power:	800 W / 2730 BTUS
Dimensions:	500 x 500 x 105 (mm) / 19 5/8' x 19 5/8' x 4 1/8'
Weight:	9.8 kg / 21.65 Lb
Description:	CR SYSTEM DUAL KHERR 1500W/5110BTUS
Power:	1500 W/5110BTUS
Dimensions:	500 x 1000 x 105 (mm) / 19 5/8' x 19 5/8' x 4 1/8'
Weight:	20 kg / 44.2 Lb
Description:	BATHROOM HEATER CR SYSTEM DUAL KHERR 800W / 2730 BTUS
Power:	800 W / 2730 BTUS
Dimensions:	500 x 1000 x 90 (mm) / 19 5/8' x 39 3/8' x 3 4/8'
Weight:	19.8 kg / 43.75 Lb
Description:	BATHROOM HEATER CR SYSTEM DUAL KHERR SH 800W / 2730 BTUS
Power:	800 W / 2730 BTUS
Dimensions:	500 x 500 x 105 (mm) / 19 5/8' x 19 5/8' x 4 1/8'
Weight:	10.3 kg / 22.76 Lb
Voltage:	120 V
Frequency:	60 Hz
Ceramic Element:	DUAL KHERR
Convection box:	High resistance carbon polymer
Power Plug:	2x16AWG SJT polarized
HEATER THERMOSTAT	
Characteristics:	Electronic: Range of 41 F - 95 F at intervals of 0.5 F Avant: Range of 45 F - 95 F at intervals of 0.5 F  With ENERGY STAR ^R thermostat integrated
SAFETY THERMOSTAT	
N° of Thermostats:	1
Characteristics:	Bimetallic
Reset:	Manual
Cut-out Temperature:	100± 3°C / 212 ±37.4°F

9 COMMON PROBLEMS AND SOLUTIONS

PROBLEM	POSSIBLE CAUSE	SOLUTION
The room does not reach the required temperature	Incorrect adjustment of Set Temperature	Check the set temperature on the display to see if it is correct.
	Badly proportioned	The power of the equipment is inadequate for the space it is installed in.
	Inadequate location of equipment	Do not put the equipment near draught sources (windows, doors, etc) and/or in positions with obstacles that prevent heat transmission. However, a possible immediate solution is to raise the set temperature to correct the reading error and temperature control which inadequate placement can cause.
	Too great a height	Make sure the equipment is installed at the height indicated in this manual.
	The entry and exit grills are obstructed.	Do not put anything on top of the equipment and do not install it in the gap of a thin partition
The equipment does not turn on	The receiver control does not make a good connection.	Push the receiver control towards the centre of the equipment (Page 6)
	The set temperature is less than the ambient temperature.	Increase the set temperature of the equipment until it is at least one degree higher than the ambient temperature of the room.
	The control panel and protector switch is off.	Check that the switch controlling the equipment is not off. If it is, put it on.
	The control panel and protector switch is off.	Make sure the installation is correct and that there are independent heating cables of minimum cross-section 2.5 mm ² with a maximum power of 3500W.
	A different program to the one you want is set up.	Check the equipment has the program you want. If not, re-load it.
The equipment does not receive the program from the remote.	The led is configured to be permanently switched off	Check the led configuration (section 5.6).
	Radio communication between the two has not been correctly established.	Follow the steps described in section 5.2.
The equipment stains the walls.	The receiver is not in RE mode.	Put the receiver in RE mode and re-send the program.
	Equipment placed too low.	The minimum height from the floor to the lower part of the equipment must be 25 cm.
	Dust has accumulated in the lower grill of the equipment.	Vacuum it. It is a good idea to always do this at the start of winter.
The radio cannot be heard.	Type of paint on the walls.	Paint with a high titanium content is liable to darken.
	Volume very low.	Have you kept your finger pressed down on the ON button? As this reduces the volume.
Time on the equipment is incorrect.	There was a power cut for a prolonged period.	Input the correct time from the equipment remote.
Time not configured on the remote.	Batteries have run out, indicated by bA appearing on the display.	Change the batteries.

In case the air outflow was blocked or even if there should be a really high temperature inside the radiator, the security thermostat will be activated. From this moment on the radiator will stop working.

It will be necessary to reset the thermostat manually introducing a Ø5mm rod where indicated. Once the thermostat is reset the radiator will be ON again.



CLIMASTAR ELECTRIC HEATING SYSTEM

Manufacturer: CLIMASTAR GLOBAL COMPANY S.L.
Carretera AS 266 Oviedo –Porceyo/ Km 7 (Pruvia)
33192 Llanera, (Asturias), Spain
Telf: +34 902 272750 / Fax: +34 902 181 996

CLIMASTAR USA:

CLIMASTAR AMERICAN HEATING SYSTEM
12800 NW 38th Avenue, OPA LOCKA,
33054 FLORIDA
Toll free number: 1-888-OK-CLIMA

LIMITED GUARANTEE STATEMENT

(Enforceable in countries where the products are sold)

CLIMASTAR GLOBAL COMPANY S.L. guarantees that on first purchase this product is free of material and labour defects (limited guarantee). This limited Guarantee has duration of two years as from the date of purchase, unless agreement of longer period, in accordance with the following conditions:

- 1) To obtain service under the terms of this guarantee it is important to provide the following details: purchasing date, as guarantee's validity period starts from purchase's invoice date.
- 2) This guarantee covers eventual damages or faults come either from production or from the device's inner components, always providing that such damages were proved to have been caused ex-factory.
- 3) This guarantee is strictly limited to repairs of faulty piece/s at facility, or to the complete device's replacement when there is not a suitable mending, according to the manufacturer consideration.
- 4) This guarantee excludes damages and/or incorrect operation caused by accidents, incorrect use of the system, negligence, wear, breakage, incorrect installation and an incorrect electrical supply to the system. This guarantee will also be cancelled if the product is used for any other purpose other than heating, and due to unauthorised alteration, modification, repair of the product and other external causes that affect the product after delivery.
- 5) No systems will be returned to CLIMASTAR without a codified (official) GOODS RETURN AUTHORISATION. CLIMASTAR accepts no responsibility in the event that any system is returned without the prior authorised GOODS RETURN slip.
- 6) CLIMASTAR and/or its agents reserve the right to decide between repairing or replacing the damaged components or replacing the entire system as a whole. None of these options will extend the initial guarantee period. The withdrawal of the aforementioned system will immediately cancel the guarantee.
- 7) Any claims under the terms of this guarantee must be made inside the guarantee period.
- 8) All repairs must be carried out by the Technical Service authorised by the manufacturer and/or its agents, any work carried out by unauthorised staff will cancel the specifications of this guarantee. In the event of replacement, the customer must go to the sales centre responsible for receiving the systems.
- 9) LIMITS ON RESPONSIBILITY: CLIMASTAR, will not be responsible neither for material nor for personal damages which could directly or indirectly have been caused by an improper installation of the device or for its incorrect use as well as for being manipulated by not qualified staff.
- 10) None of these conditions can be extended or modified in any place without express consent from CLIMASTAR

Cut  here

Guarantee Certificate

Customer's Name		Guarantee No.	
Address		System Model	
		Serial No.	
Telephone number		Date	
Installer's name and stamp		Supplier	
		Supplier's stamp	
Date installed			



CLIMASTAR AMERICAN HEATING SYSTEM LLC

12800 NW 38th Avenue OPA LOCKA
33054 Florida

TEL: 1-786-369-7195 / FAX: 786-369-7196

www.climastar.net

email: contact@climastar.net