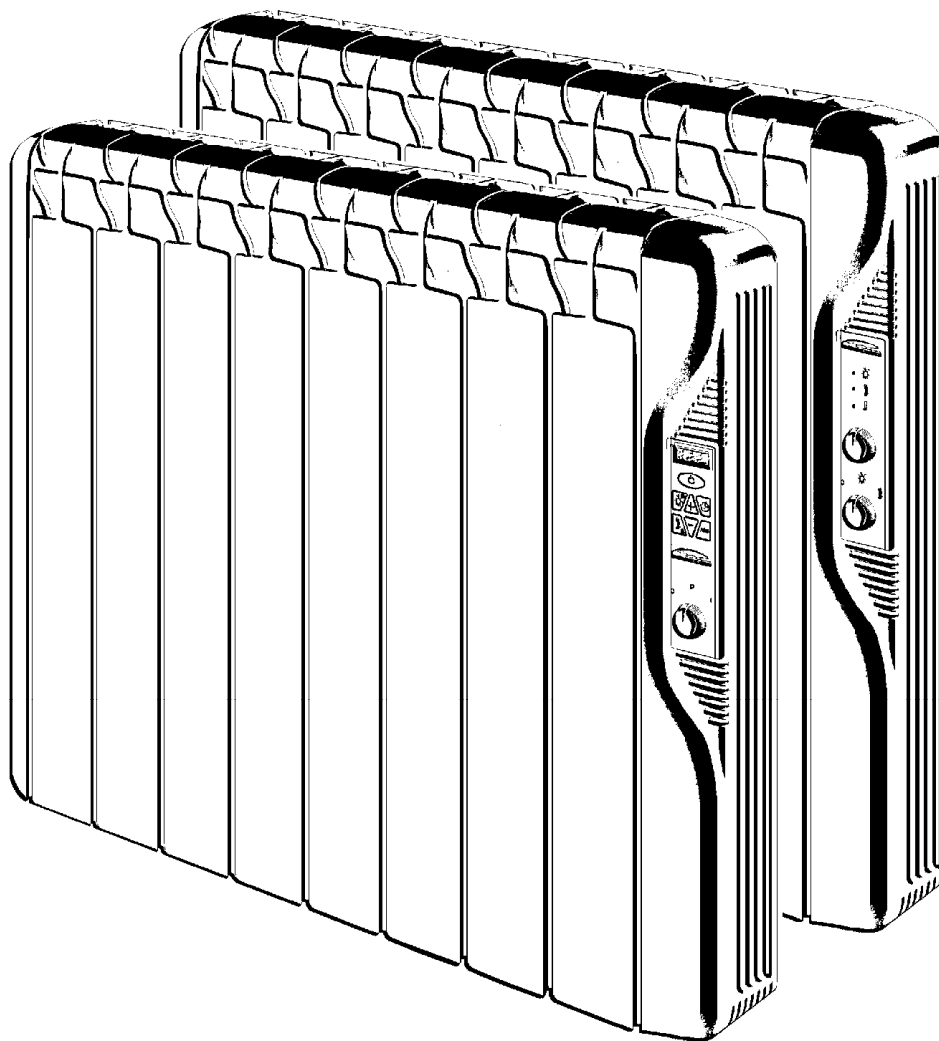# Gabarrón

ELECTRIC DESIGNER RADIATORS

RF4P   RF4E
RF6P   RF6E
RF8P   RF8E
RF10P   RF10E
RF12P   RF12E
RF14P   RF14E

INSTALLATION INSTRUCTIONS AND USER GUIDE

Please read these instructions before installing or using this appliance for the first time.

INSTALLATION INSTRUCTIONS

1.- WARNING Please read these instructions before installing or using this appliance for the first time.

- 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.
- Please check that the voltage in the rating label fits the power supply.
- Any reinstallation should be carried out by trained personnel.
- The use of these heaters is forbidden in any area where there is a presence of gases, explosives or inflammable objects.
- DO NOT USE THIS HEATER TO DRY CLOTHES.
- The surfaces of this heater can be hot, so young children should not be left unsupervised in the vicinity of the heater.
- Neither the connecting cable nor any other object must come into contact with the hot unit.
- Do not cover this heater at any time.
- 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.
- The thermal radiator should not be installed just below an electrical socket.
- The appliance must be installed in such a way that it is impossible for anyone using a bath or shower, to touch the controls.
- 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 flexible power cable for this unit is damaged, it may only be replaced by a repair workshop recognised by the manufacturer, as special tools are necessary.
- This appliance must be earthed.
- 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 of air particles of smoke, dust and other pollutants could, in time, discolour the walls and surfaces around the heater.
- This heater is filled with a precise quantity of special oil. Repairs requiring the opening of the oil container are only to be made by the manufacturer or his service agent who should be contacted if there is an oil leakage.
- Regulations concerning the disposal of oil when scrapping the appliance have to be followed.

| Modelo	RF4P	RF6P	RF8P	RF10P	RF12P	RF14P		RF4E	RF6E	RF8E	RF10E	RF12E	RF14E	
TYPE	Manual - Thermostat only							Digital - 24hr / 7 Day Timer & Thermostat						
MODULES	4	6	8	10	12	14		4	6	8	10	12	14	
W (cm)	41.5	57.5	73.5	89.5	105.5	121.50		41.5	57.5	73.5	89.5	105.5	121.5	
D (cm)	10 (plus 2.5 cm separated from the wall)													
H (cm)	58													
WEIGHT (kg)	9.5	13.5	17.5	21.5	25.5	29.5		9.5	13.5	17.5	21.5	25.5	29.5	
INPUT	500W	750W	1000W	1250W	1500W	2000W		500W	750W	1000W	1250W	1500W	2000W	
VOLTAGE	220-240V~													

2.- INSTRUCTIONS ON INSTALLATION

- Open the carton at the indicated side. The screws are in the accessories bag. Turn the carton upside down to allow the heater to stand. Check that it is the correct model and that 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. See figure .
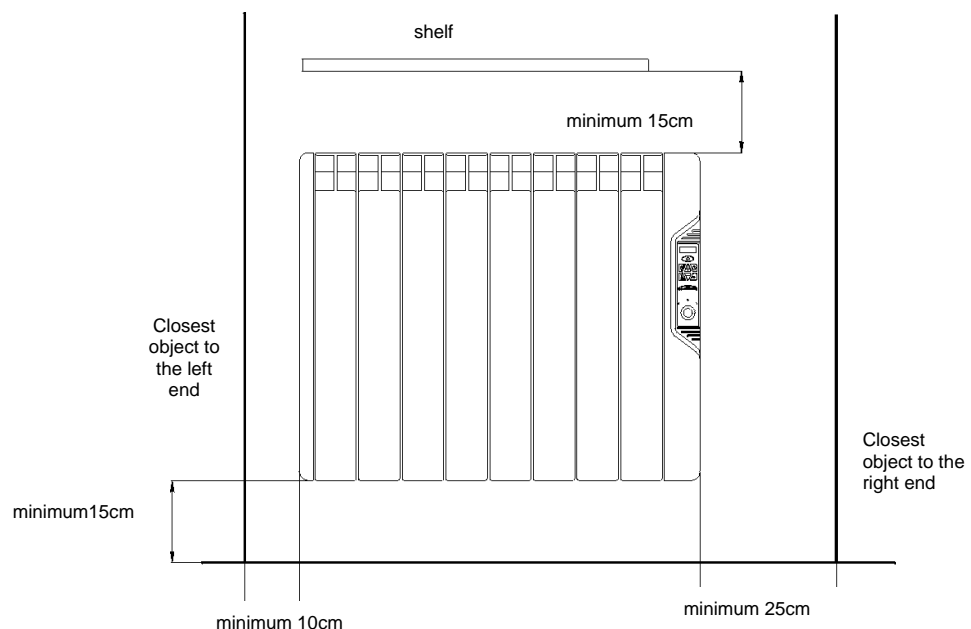
Position and fix the brackets at the correct distance from the floor and hang the unit on the hooks of the brackets. and mark the wall. Use the polystyrene packaging to level the heater and protect the floor.

Use the heater as a template and mark the fixing points on the wall using a pencil through the two fixing holes in the square brackets.
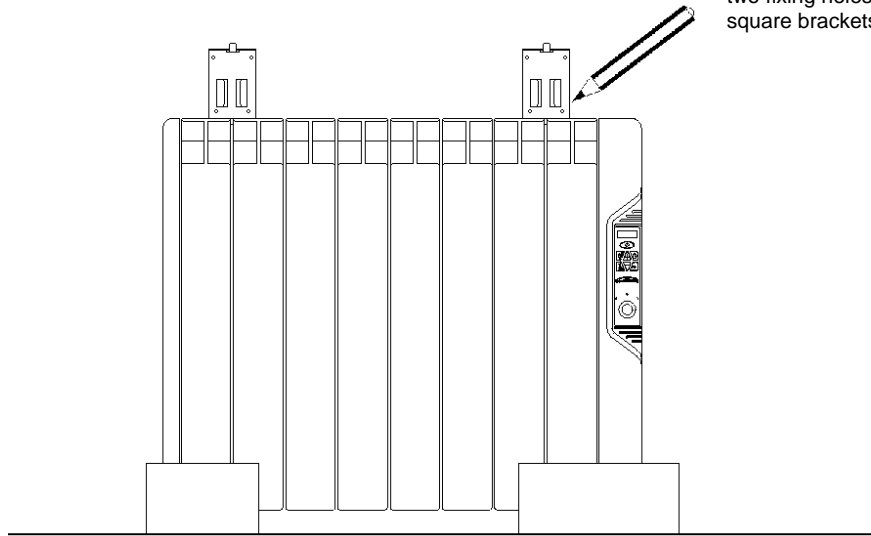
- The studs and screws are in the accessories bag.
- Hung the unit on the hooks of the brackets.
- By turning the screw the metallic square will go downwards, retaining the heater. Repeat this on the other bracket.

3.- USING THE THERMAL RADIATOR

ELECTRONICS MODELS RFP

SUN mode indicator

MOON mode indicator

Heating indicator
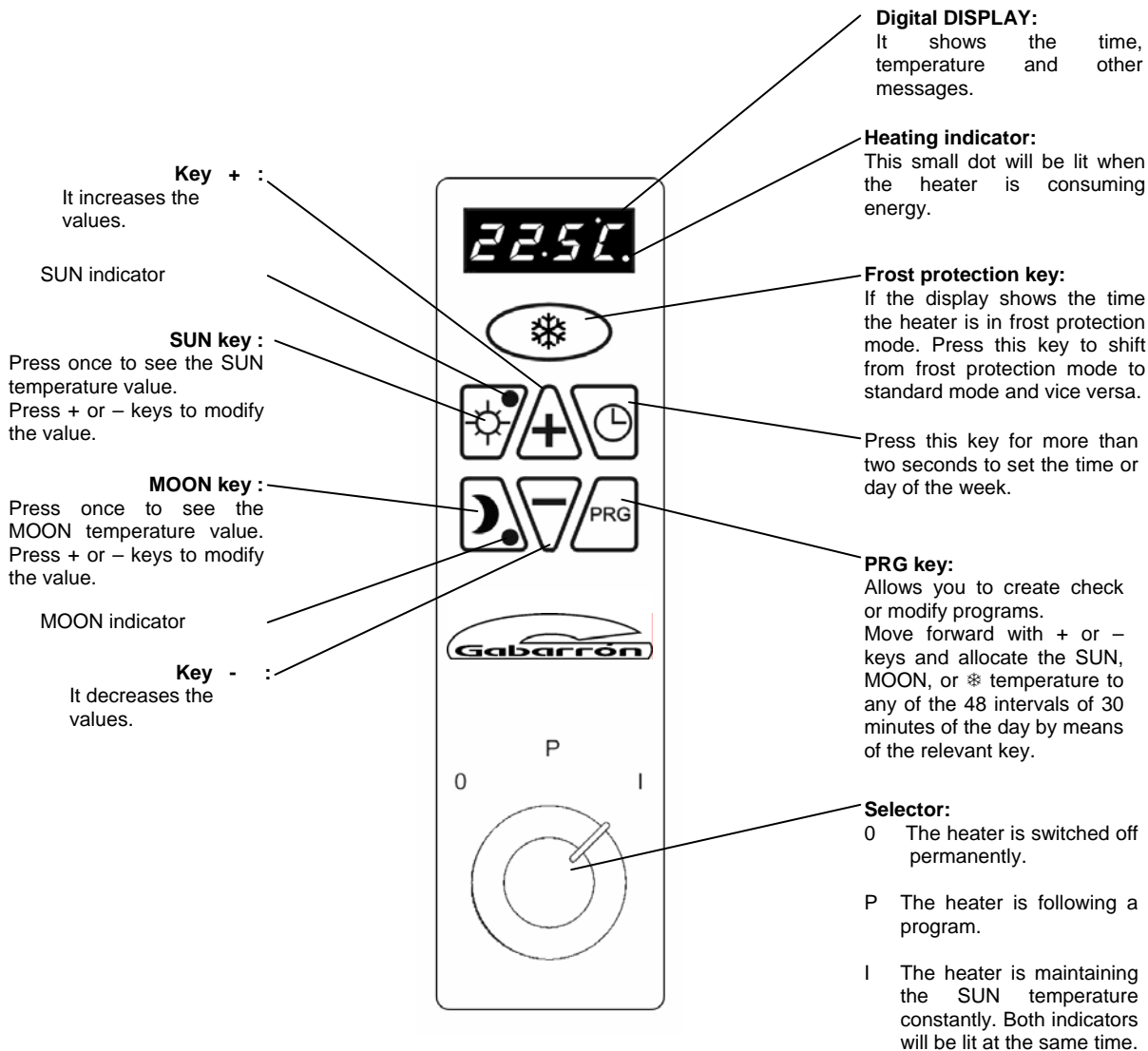
Temperature selector
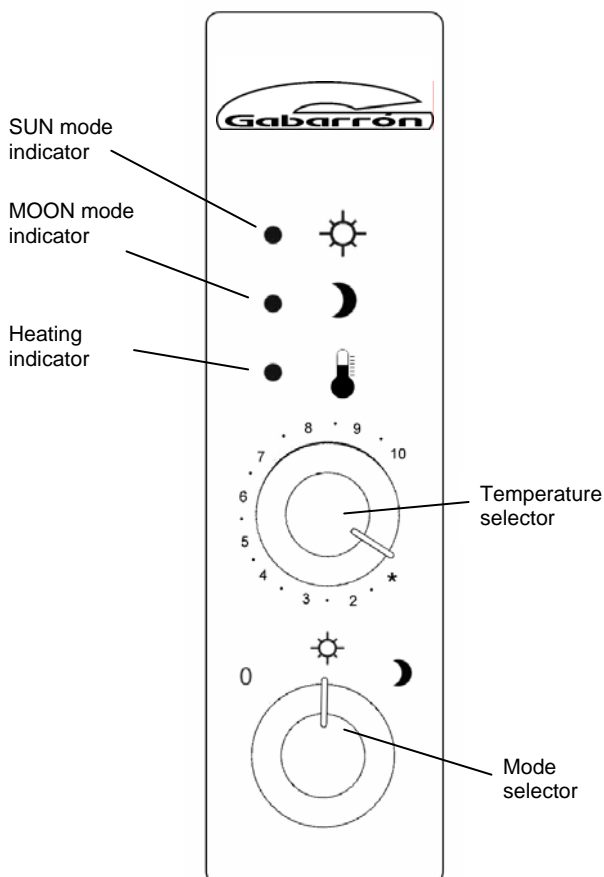
Mode selector

Operation in electronic models is controlled by means of two rotary knobs.

It is possible to regulate the temperature level with accuracy by means of the **temperature selector**. The heating indicator will be lit when the heater is consuming energy. When this dial is set in * position the heater is in frost protection mode, at this stage if the room temperature drops below 3ºC the heater will connect itself automatically.

There are three selectable positions with the **mode selector** dial:

0 : The heater is switched off permanently. No frost protection mode here.

☼: SUN mode on, the heater maintains the set temperature with the temperature selector dial.

☾: Moon mode on, the heater maintains a temperature 3ºC lower than the one set with the temperature selector dial.

Digital DISPLAY:
It shows the time, temperature and other messages.

Heating indicator:
This small dot will be lit when the heater is consuming energy.

Key + :
It increases the values.

SUN indicator

SUN key :
Press once to see the SUN temperature value.
Press + or – keys to modify the value.

Frost protection key:
If the display shows the time the heater is in frost protection mode. Press this key to shift from frost protection mode to standard mode and vice versa.

Press this key for more than two seconds to set the time or day of the week.

MOON key :
Press once to see the MOON temperature value.
Press + or – keys to modify the value.

MOON indicator

Key - :
It decreases the values.

PRG key:
Allows you to create check or modify programs.
Move forward with + or – keys and allocate the SUN, MOON, or ❄ temperature to any of the 48 intervals of 30 minutes of the day by means of the relevant key.

Selector:

0   The heater is switched off permanently.

P   The heater is following a program.

I   The heater is maintaining the SUN temperature constantly. Both indicators will be lit at the same time.

Digital models have built in an electronic thermostat with a sensibility of 0.1 ºC . It is possible to set temperatures with an accuracy of 0.5ºC.

The daily or weekly programmer (selectable) allows you to allocate three different temperature levels to any of the 48 intervals of 30 minutes of the day.

SWITCHING ON THE HEATER AND SETTING THE TIME

Turn the mode selector dial to **P** position and press the 🕐 key more than two seconds. The display will show the time intermittently. Set the minutes by pressing **+** and **-** keys and press the 🕐 . Set the hours the same way. Press once more the 🕐 key to store the time. If at any time it is necessary to set the time press the 🕐 key and repeat the above steps.

FROST PROTECTION MODE ❄:

With this mode on, if the room temperature drops below 3ºC the heater will connect itself automatically.

If the display shows the time the heater is in frost protection mode. Press the ❄ key to shift from frost protection mode (time is shown in the display) to standard mode (temperature is shown in the display) and vice versa.

SELECTOR "O" , "P", "I".

Position "0" :   The heater is switched off permanently. The display is switched off.

Position "P" :   The heater is following a program. It will maintain the SUN, MOON or ❄ temperatures as per the introduced program. At this position if the display shows the time the heater is frost protection mode.

Position "I" :   The heater is maintaining the SUN temperature constantly both luminous indicators SUN and MOON will be lit. This could be useful when SUN temperature is required and we do not want to modify the program. At this position if the display shows the time the heater is in frost protection mode. Press the ❄ key to shift from frost protection mode (time is shown in the display) to standard mode (temperature is shown in the display) and vice versa.

SUN, MOON AND ❄ TEMPERATURES

The electronic programmer is able to handle three temperature levels during the 24h of the day.

Press the 🔅 key to set the SUN temperature. The display will show the SUN temperature value blinking.

Set the SUN temperature value by means of the **+** o **−** keys and press the 🔅 key to store the value. If the display shows the time the heater is in frost protection mode. Press the ❄ key to shift from frost protection mode (time is shown in the display) to standard mode (temperature is shown in the display) and vice versa.

Repeat the above steps with the key 🌙 to set the MOON temperature.

The ❄ temperature level is 3ºC and it is a fix value. This temperature level can be used as off selection when setting the temperatures during curtain times of the day.

SUN, MOON, or ❄ temperatures can be allocated to any of the 48 intervals of 30 minutes of the day.

DAILY PROGRAMMES

It is basic to visualize the day split into 48 intervals of 30 minutes each; SUN, MOON, or ❄ temperatures can be allocated to any of them.
The default settings include daily mode so that the heater will repeat the program every day. If different programmes are required along a week, please see the next step WEEKLY PROGRAMMES. To check a programme or to make a new one follow these steps:

Press the **PRG** key and the display will show **00:00** intermittently. Press one of the three keys 🔅 🌙 ❄ to allocate SUN, MOON or OFF (frost protection) from 00:00h to 00:30h. If SUN or MOON temperatures are selected the relevant luminous indicator will be lit. If OFF temperature ❄ is selected both luminous indicators will be off.

Press the **+** key to go to the next interval. The display will show **00:30** intermittently and, again, press one of the three keys 🔅 🌙 ❄ to allocate SUN, MOON or OFF (frost protection) from 00:30h to 01:00h or press **+** key directly if the existing temperature level is ok.

Repeat these steps allocating the desired temperatures levels over the 24 hours of the day. Press the **−** key at any time to modify a previous period. By reaching the **23:30** in the display and pressing **+** key the controller will store the program and will return to the previous mode.

At any time **PRG** key can be use also to store the program and return the previous mode.
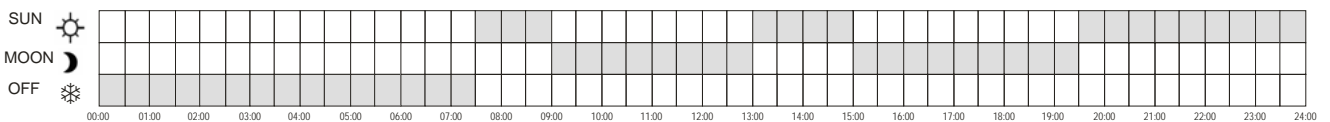
EXAMPLE

Let's see an example of how to introduce a program with the above distribution of temperatures.

OFF from 24:00h to 7:30h in the morning. The heater will be on only if the temperature drops to 3ºC.

SUN temperature from 7:30h to 9:00h.

MOON temperature from 9:00h to 13:00h.

SUN temperature from 13:00h to 15:00h.

MOON temperature from 15:00h to 19:30h.

SUN temperature from 19:30h to 24:00h.

Step	Display
1 - Press **PRG**	**00:00**
2 - Press ❄	🔅 Off / 🌙
3 - Press **+** key	**00:30**
4 - Repeat steps 2 and 3 until display shows:	**07:30**
5 - Press 🔅	🔅 On
6 - Press **+** key	**08:00**
7 - Press 🔅	🔅
8 - Press **+** key	**08:30**
9 - Press 🔅	🔅
10 - Press **+** key	**09:00**
11 - Press 🌙	🌙
12 - Press **+** key	**09:30**
13 - Repeat steps 11 and 12 until display shows:	**13:00**
14 - Press 🔅	🔅
15 - Press **+** key	**13:30**
16 - Repeat steps 14 and 15 until display shows:	**15:00**
17 - Press 🌙	🌙
18 - Press **+** key	**15:30**
19 - Repeat steps 17 and 18 until display shows:	**19:30**
20 - Press 🔅	🔅
21 - Press **+** key	**20:00**
22 - Repeat steps 20 and 21 until display shows::	**23:30**
23 - Press 🔅	🔅
24 - Press **+** key	**GRAB**

WEEKLY PROGRAMMES

It is possible to allocate different programs to different days of the week. To do this, the controller has to be upgrade from 24hr mode (factory default) to 24hr/7days mode as follows:

Move the selector to **0** position, the display will be Off. Press the ⏱ key and at the same time turn the selector to **P** position maintaining the ⏱ key at least five seconds. The display will show P-SE which means that weekly mode has been set.

SETTING THE DAY: Press the ⏱ key more than two seconds and the display will show the number of the day. Set the correct number, if required, by pressing **+** or **–** keys. Press the ⏱ key and the display will show now the time. Press again the ⏱ key and new values will be stored.

To check a programme or to make a new one press **PRG** key: The display will show **dia1** . Press again **PRG** key and the display will show **00:00** intermittently. Follow now the steps from DAILY PROGRAMMES section until the display shows again **dia1** . Repeat this process with the 7 days of the week. When the display shows **dia7** the weekly program will be stored by pressing **+** key.

 If the display shows **dia1** then, pressing + key more than three seconds will copy the day 1 program to day 2 and so on.

It is possible to allocate any of the three temperature levels to all the intervals of any day maintaining the relevant ☼ ☾ ❄ **key** until an audible signal is heard.

To turn back a controller from 24hr/7days to a single 24hr press **PRG** key more than six seconds. This will restore the factory default settings.

KEYBOARD LOCK

Press the ❄ key more than six seconds and the keyboard will be locked. The display will show [– –] and the controller will keep on working internally. To unlock the keyboard press again the ❄ key more than six seconds .

4.- CLEANING AND MAINTENANCE

Clean and dust with a dry, soft cloth only when the unit is disconnected and cold.

Do not use solvents or abrasive products for cleaning.

This thermal 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.

5.- TROUBLESHOOTING

- The thermal radiator does not heat. Check the heater or the air inlets are not covered.

Digital models: the display shows the time press the ❄ key to switch on the heater. Check that the DAY or NIGHT temperatures are right.

- The room does not reach the right temperature.

Check the selected temperature is in accordance with the desired temperature. Maybe the room needs more heating power.

- DAY and NIGHT luminous indicators are lit at the same time.

Digital models: Continuous mode has been selected. Turn the knob to the "P" position to return to the Program mode if required.

- The display shows "Err1" or "Err2" Digital models: Contact the after sale service.

- Only daily programmes. The controller is in a single 24hr mode (factory default). See WEEKLY PROGRAMMES section to swift to 24hr/7days mode.

- The keyboard is locked. If the display shows [– –] the keyboard is locked. To unlock the keyboard press the ❄ key more than six seconds.

WIRING

MODELS RF-E
R heating element
Ts safety cut - out
C three way selector
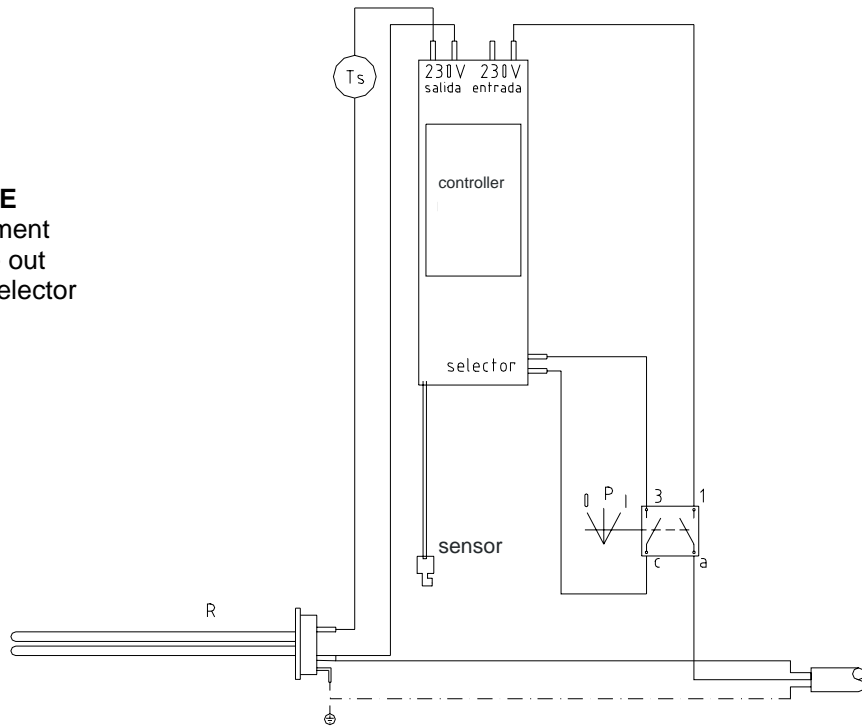
MODELS RF-P
R heating element
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