INSTALLATION, USE AND MAINTENANCE MANUAL
DECORAL ELECTRIC VERTICAL

ALUMINIUM FLUID FILLED ELECTRIC RADIATOR

Thank you for purchasing one of our products, we hope you will be fully satisfied with it.

We recommend you read the manual carefully because it contains important safety instructions on the use and maintenance of the radiator. We also recommend that you keep the manual and the invoice for future reference.

The package includes:

Radiator with electronically controlled thermostat, remote control, mounting support and instruction manual.

Packaging:

The packaging of this radiator is 99% cardboard. We are committed to eliminating the use of polystyrene.

INDICE

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1. WARNINGS

A label on the radiator contains the symbol shown here. The meaning of this symbol is: To avoid overheating, DO NOT COVER THE RADIATOR.

Never:

- cover the radiator, not even partially;

- place the radiator in direct contact or close to curtains, furniture, etc.

Never install the radiator:

- in a niche;

- less than 20 cm from the corners of the room;

- beneath a power outlet;

- on a shelf.

The radiator must be secured to the wall using the supplied mounts..

Work on the appliance must be performed by authorised professionals.

If the power cord is damaged it must be replaced by the manufacturer, its after-sales service or similarly qualified personnel to avoid any hazard.

Children under 3 years of age must be kept away if not constantly supervised.

Children aged 3 and younger than 8 can only turn on/off the appliance if the product has been sited or installed in accordance with applicable standards and regulations and as long as they have been supervised or instructed on the use of the appliance taking all precautions. Make sure they understand the risks involved. Children who are aged 3 and younger than 8 may not connect, adjust and clean the appliance or perform maintenance.

CAUTION: Some parts of this product may become hot and burn you. Special attention must be paid if children and vulnerable persons are present

This appliance may be used by children aged at least 8 and by people having reduced physical, sensory or mental capabilities or lacking experience or knowledge, if they have been properly supervised or instructed on safe use of the appliance and if the relevant risks have been understood. Children should not play with the appliance. User cleaning and maintenance must not be performed by unsupervised children

All packaging materials should be stored out of the reach of young children.

Do not let children play with packaging materials, bags, boxes, etc.

Prevent young children from resting on the hot surface of the appliance.

Do not pull the radiator, do not sit or rest on it and do not put any weight on the radiator.

This can damage the radiator or detach it from the wall or its mounting elements, which could cause serious injury.

Also, to avoid such injuries, periodically make sure the radiator is always well anchored to the wall.

Never attempt to alter this product, paint it or apply stickers. This would void the warranty and could cause product malfunction or injury.

1.1 CLEANING THE RADIATOR

For your safety, before any maintenance, disconnect power to your appliance before cleaning it.

Perform cleaning with the radiator off and cold.

For the heating body, do not use abrasive or corrosive products, for instance use soapy water and rub with a soft cloth.

To clean the plastic part of the thermostat, use only a dry cloth and avoid contact with chemicals or alcohol.

2.   RANGE, DIMENSIONS AND FEATURES

Decoral Electric Vertical	Power W	Width mm	Height mm	Depth mm	Net Weight Kg
1500 W	1500	340	1877	95	17,5
2000 W	2000	500	1877	95	25,5

Mains voltage	230V AC 50 Hz
Insulation class	Class II
Water protection rating	IP24
Operating temperature	0 - 50°C
Storage temperature	-20 - 70°C
Operating humidity	0-85% without condensate
Control	Proportional and Integral
Temperature resolution	0.5°C, Digital
Activation of safety thermostat	100°C
Temperature range	5-30°C
Temperature resolution	Displayed at 0.1°C
Power consumption in stand-by	< 0.5 W
Radio Frequency band	868,3 Mhz
Max RF trasmitted power	3 dbm at 863.300 Mhz

3.   ELECTRICAL CONNECTIONS

IMPORTANT

When installing or servicing, make sure the radiator is unplugged. Keep the radiator unplugged until installation is completed and the unit is properly closed. After installation or maintenance make sure the unit is well secured to the wall.

The radiator can only be connected to a 230 VAC power supply.

Follow the colours:

Brown	Live
Grey or Blue	Neutral
Black	Pilot wire

CAUTION

The black "pilot wire" cable is only for radiators installed in France, the safety rules impose to insulate it. Ground connection is prohibited. Do not connect the pilot wire (black) to the ground.
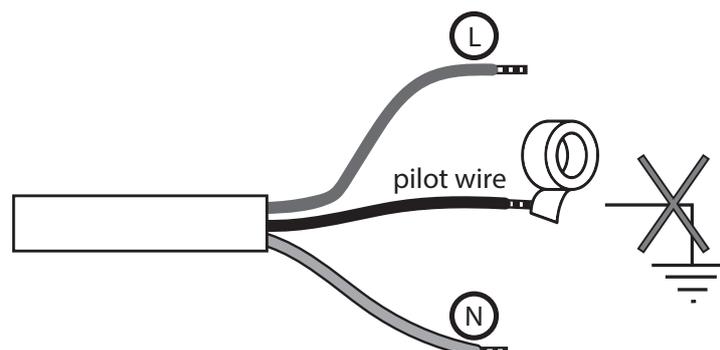
A multi-pole cut-out device is obligatory. The gap between all the contacts must be at least 3 mm.

The circuits powering electrical appliances must be protected by a high sensitivity differential protection device.

The power cord must be connected to the mains using a connection box necessarily located at least 25 cm from the ground, without the use of an electrical plug. Never insert metal objects into the unit.

If the power cord is damaged it must be replaced by the manufacturer, its after-sales service or similarly qualified personnel to avoid any hazard.

3.1 SPECIFICATIONS FOR INSTALLATION IN THE BATHROOM

Installation must comply with standard and installation regulations in force.

The radiator is class II and has IP24 protection class.

In the bathroom, it can be installed in areas 2 and 3 (see figure 1) on condition that the control devices are not within reach of people using the shower or bathtub.

It must not be connected to the earth terminal.

In the bathroom, protect the power line with a 30 mA high sensitivity differential device. Install a multi-pole circuit breaker: the gap between the contacts must be at least 3 mm. mm.
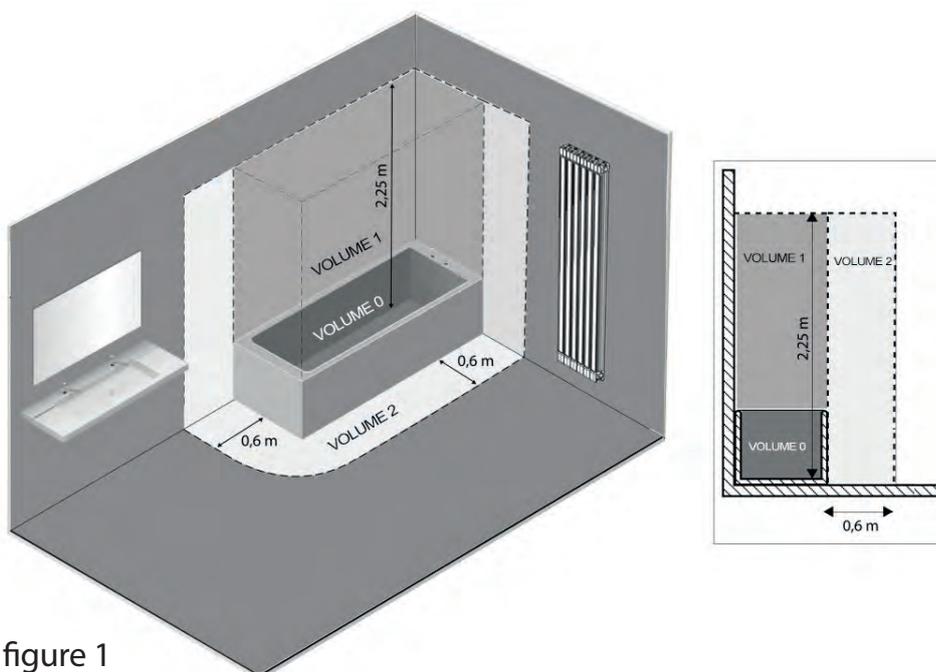
figure 1

4. INSTALLING THE APPLIANCE

To obtain the best heat output and comfort from your appliance, we recommend installing the radiator near areas with high heat dispersion in the room to be heated, whenever possible

The radiator must not be installed in a niche or beneath a power outlet.

Curtains, furniture or other objects that might prevent the proper distribution of heat should be at a minimum distance of 50 cm from the front of the radiator.

- There should be a minimum distance of at least 15 cm between the lower edge of the radiator and the ground.

- There should be a minimum distance of 30 cm between the upper edge of the radiator and any shelf placed above it.

- There should be a minimum distance of at least 20 cm between the side of the radiator and the wall.
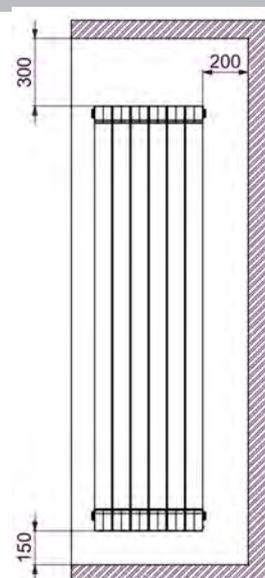
Tips for handling the radiator during installation:
The following images will show you how to handle the radiator during installation.

1 Decoral Electric Vertical 1500W

2 Decoral Electric Vertical 2000W
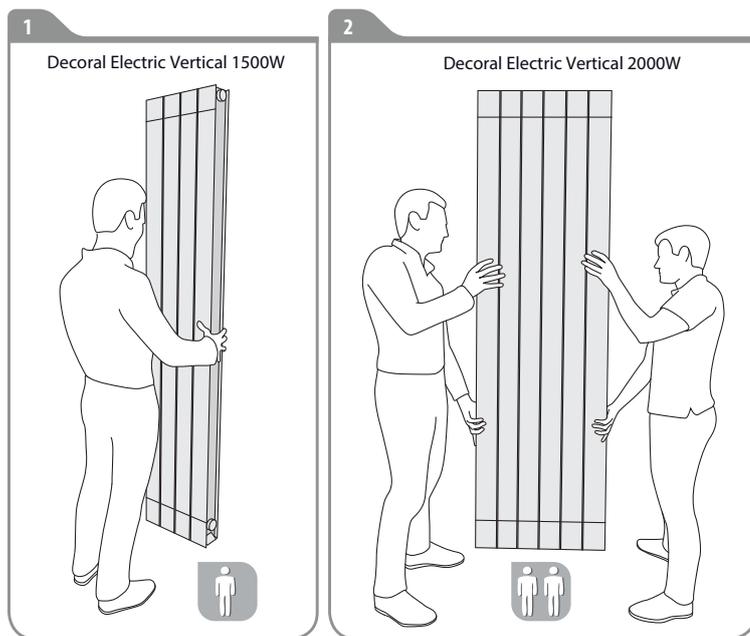
4.1 RADIATOR WALL MOUNTING

Equipment for electrical connection

x4 ø4,5 mm

*Use screws and plugs (not supplied) suitable for the wall material
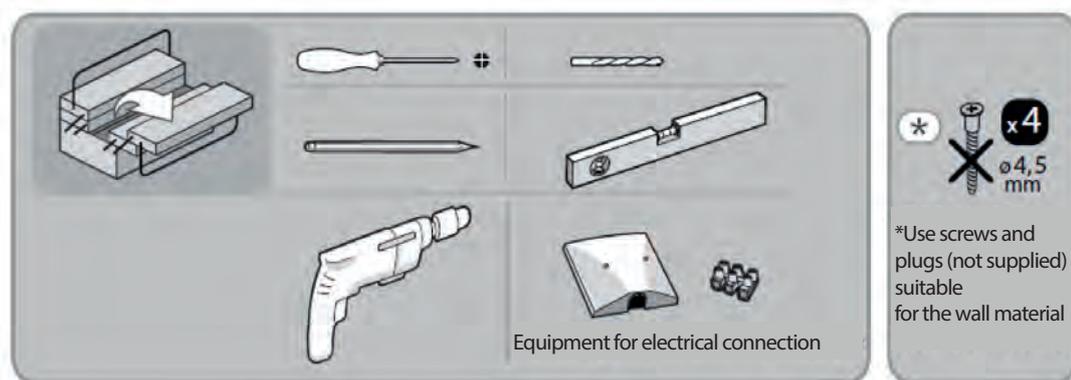
The radiator must be secured to the wall using the mounts (hooks) supplied with the appliance.

The fastening system is composed of:

X3   X3   X3   X3   X3   X2
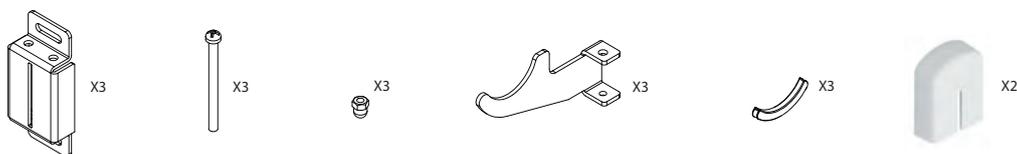
Choose where to place the radiator, see sections:

1. Warnings and 3.1 Specifications for installation in the bathroom.

2. Prepare the wall mounting elements in accordance with the positions in figure:
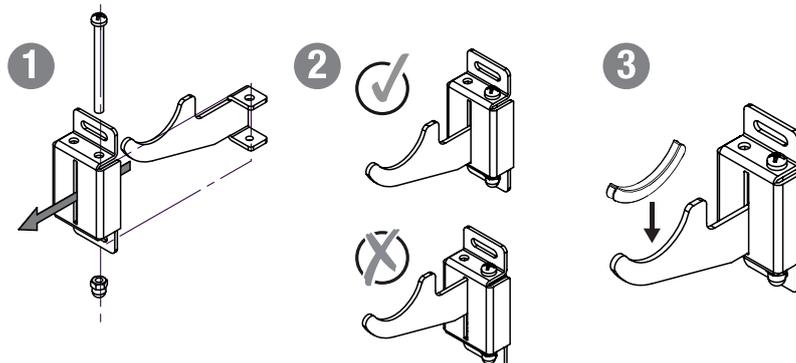
3. Using a pencil, mark the position of the 6 holes to determine the position of plugs and screws as shown in the figure.

"L" corresponds to the distance shown in the table.

All dimensions are in millimetres.

	Power / Number of elements	
	1500W / 4	2000W / 6
L (mm)	160	320
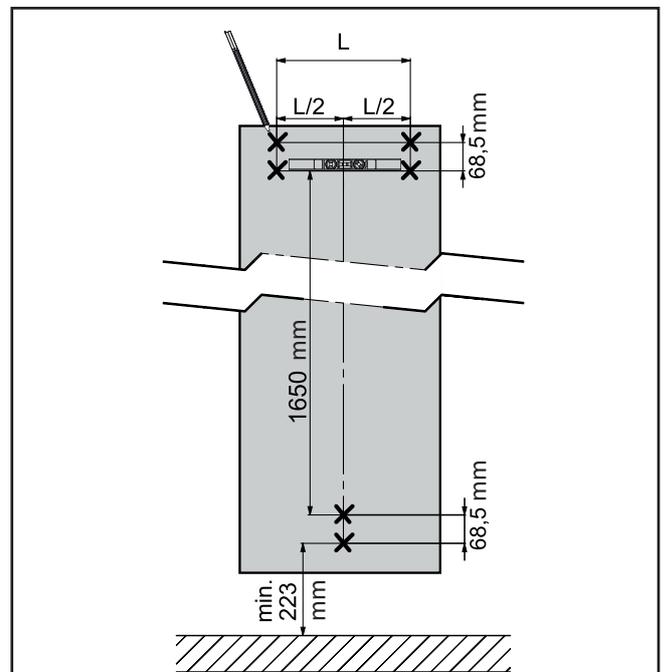
4. Depending on the type of wall material, choose an appropriate mounting method. Drill the wall according to the 6 marks previously drawn. Insert 6 plugs (suitable for the wall material - not supplied) into the holes.

Note: The upper hooks should be installed with cavity facing upwards while the lower hook is to be installed with cavity facing downwards.
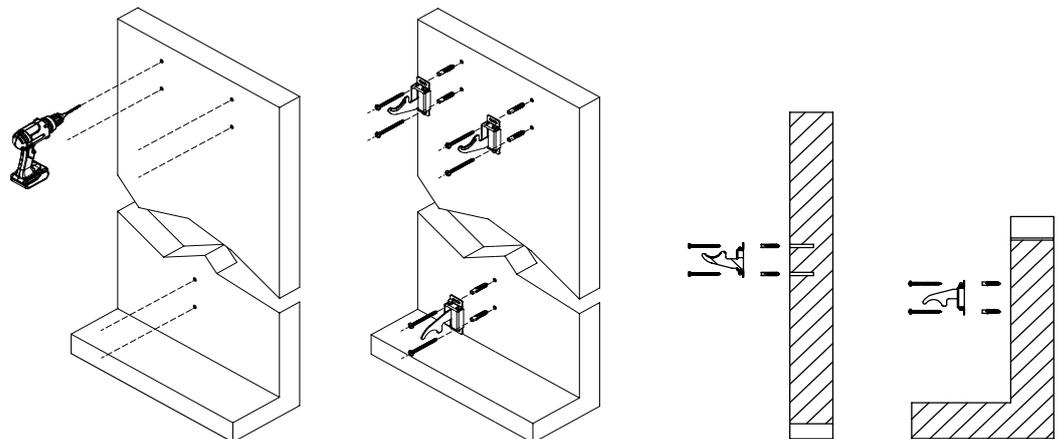
5. Put the radiator in place, making sure the hooks are secured to prevent movement of the radiator:

6. Using a screwdriver, adjust and secure the radiator. Turn the screw of the lower hook counter-clockwise until the radiator is secured.
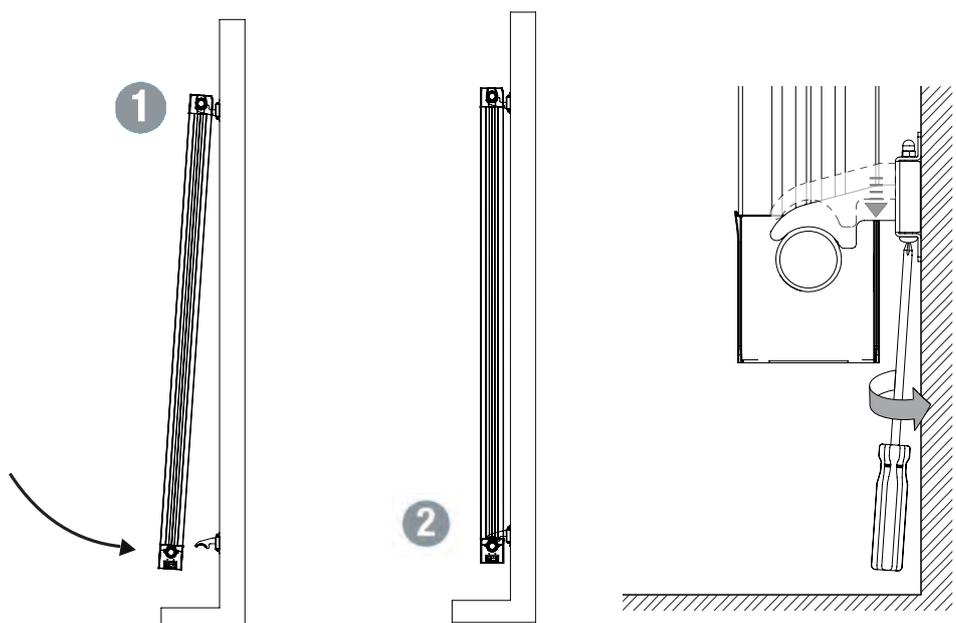
7. Otherwise, also turn the screw of the upper hooks until the radiator is completely secured.

8. Complete the installation by placing the finishing caps on the upper hooks
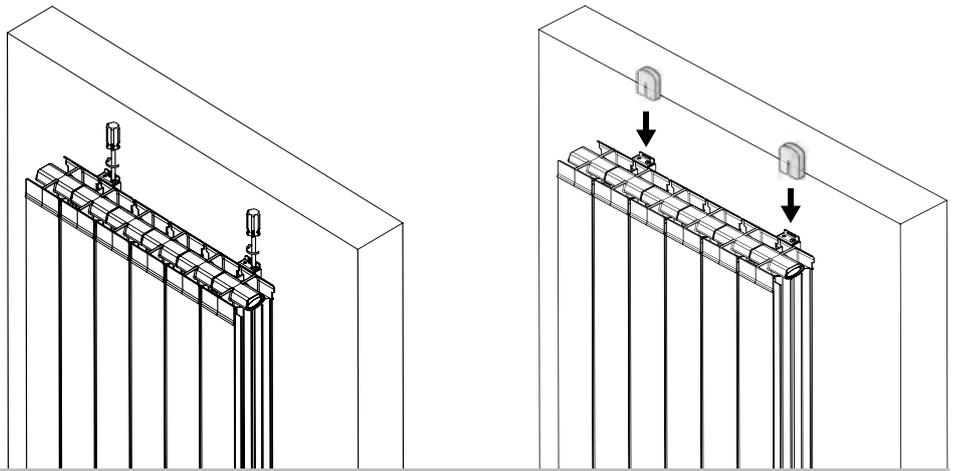
5. WARRANTY

The radiator is guaranteed 2 years from the date of purchase against manufacturing defects: 2 years for the thermostat and 5 years for the aluminium body.

The warranty will be taken into consideration on presentation of the dated invoice.

The installation must comply with applicable standards and regulations.

Wear parts, expendable materials and accessories are excluded from the warranty as well as any breaking due to unauthorised transport and disassembling

6. ENVIRONMENT

The symbol on the appliance indicates separate collection of electrical and electronic appliances.

Electrical products should not be disposed of with household waste. They should be recycled at specific collection centres. Consult your local authorities or your dealer for advice on recycling. Packages should be recycled at specific collection centres.

Improper disposal of electrical appliances may involve penalties.

7. RADIATOR USE

The radiator is remotely programmable by means of a remote control. The buttons on the radiator enable on/off functions and pairing with the remote control.

The remote control is already paired with the radiator.

With the remote control you can:

- Change/set room temperature
- Choose a program
- Change mode
- Display energy consumption
- Display status information: heating, window detection, locked display.

Button for remote control pairing

On/off button

indicator light (red/green/yellow) *

Green LED	Steady on	Radiator is in standby
	Flashing	Radiator is in standby and a pilot wire is present
Yellow LED	Steady on	Radiator is heating
	Flashing	Radiator is heating and a pilot wire is present
Red/green LED	Flashing	Pairing of radiator in progress
Red LED	Steady on	Radiator is not paired
	Flashing	Problem (see section 9)

7.1   DESCRIPTION OF THE REMOTE CONTROL AND ITS FUNCTIONS

a.   Remote control keys:

Automatic mode

Choice of room(s): not available on this model

Consumption information

Temperature manual setting/increase

Reduced temperature mode

Comfort mode

Browsing

back/cancel

Setup / time setting/ confirmation

On/standby
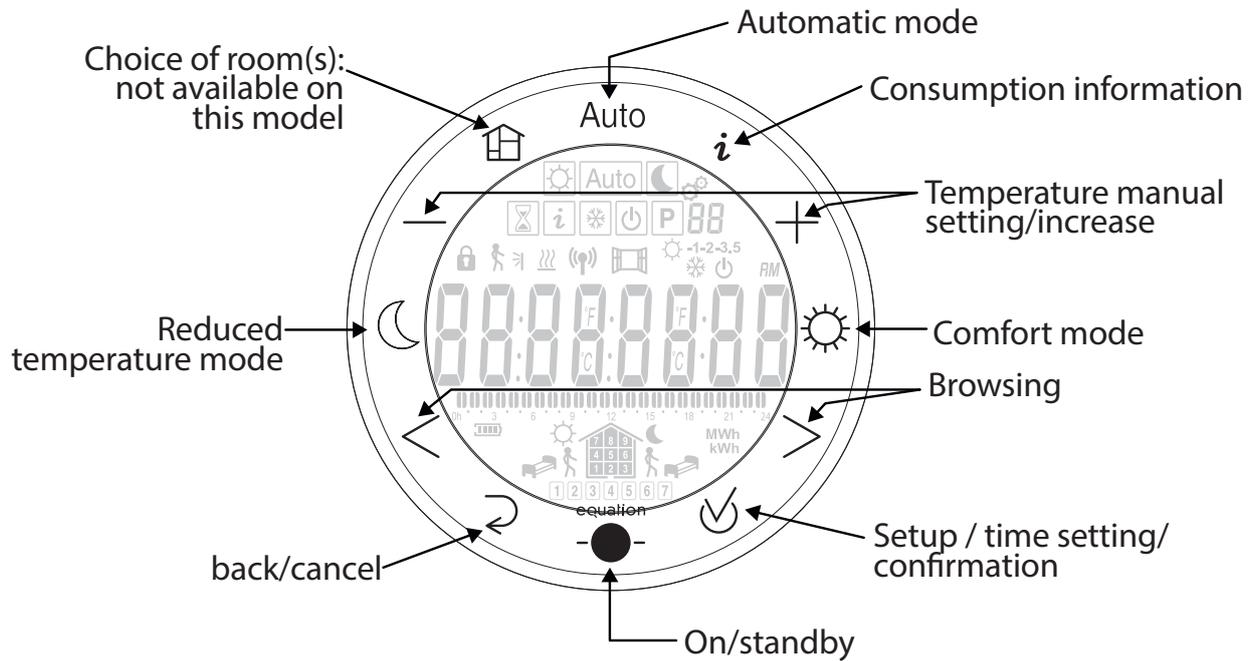
The programmer power supply is provided by two 1.5V AAA batteries (LR03 type) supplied with the remote control. They should be placed in the rear part of the programmer!
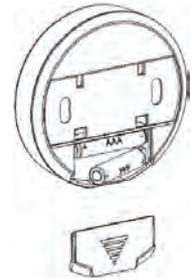
When the batteries are at the end of their service life, the backlighting is reduced to save energy and the low battery icon flashes

b.   Icons:

*Mode

Parameters

Remote control lock

Program being considered / parameter menu number

** Status

Pilot wire mode: not to use

Battery level

Temperature/time

Current mode: comfort/reduced temperature

24h programming (30min time units)

Programming Icons

Room in the house: not available on this model

Day of the week
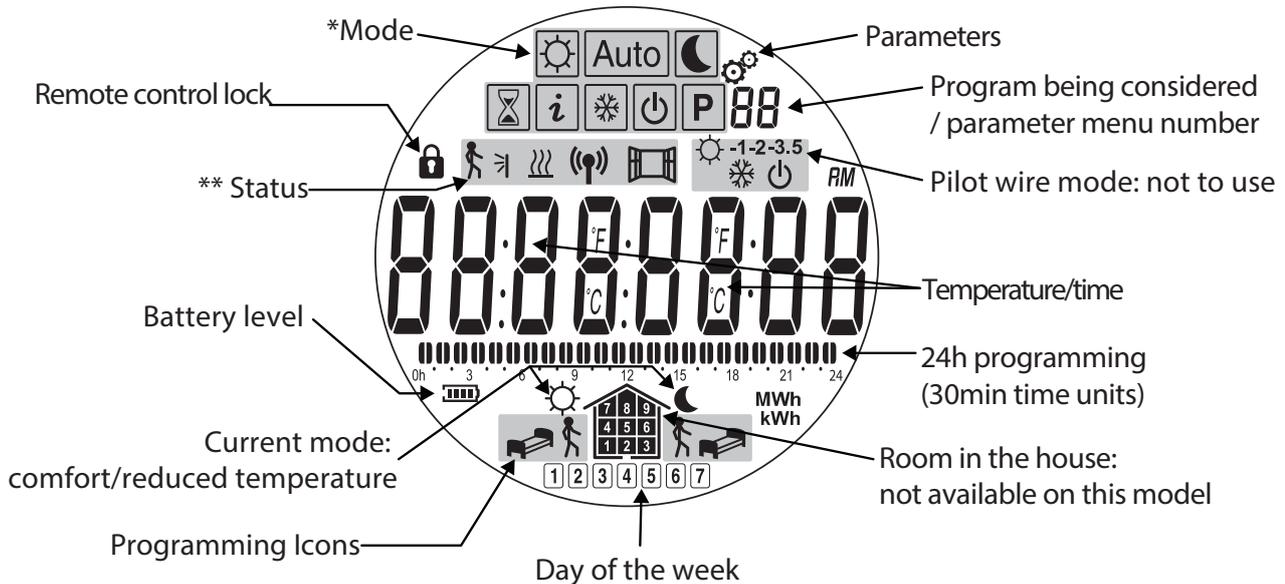
LCD Icon	Operating mode	
☼	Comfort	8.1.2 pag 38
☾	Reduced temperature (Eco)	8.1.3 pag 38
Auto	Automatic (execution of a program)	8.1.4 pag 39
P	Program selection mode	8.1.5 pag 39
❄	Anti-freeze mode with/without timer	8.1.6 pag 44
⧗	Timer mode	8.1.7 pag 44
⏻	System total power-off	8.1.8 pag 45
i	Information	8.1.9 pag 45

LCD Icon	Status description	
((•))	Sending/receiving radio-frequency signals	
▢	Detection of an open window	See 8.3.2
⫟ ⫠	Presence detection	Option not available on this model
⌇⌇⌇	Heating start	See 8.3.2

7.2   I SET UP MY FIRST RADIATOR

Each radiator is equipped with a radio remote control already paired with the radiator.

Button for remote control pairing; On/off button; indicator light (red/green/yellow) *	1. Switch on the radiator, light is on.
	2. Insert the batteries into the remote control, the remote is turned on.
00:00	3. Time setting: The number of hours is flashing: change the values using the + - keys. Use the < > arrows to set the minutes and then the + - keys to adjust the value. Confirm with the key ⍻
10:12	4. Select the day of the week from 1 to 7 (1=Monday, .. 7= Sunday) using the <> arrows, and confirm with the key ⍻

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dAtE	5. DATE is displayed, press confirm ⟳ to edit.
0108 ᵈ	6. Select the day and month with the < > arrows - Change values with the + - keys - Confirm with the key ⟳
2017 ʸ	7. Set the year - Use the + - keys to set the year - Confirm using the key ⟳

SAVE is displayed. The settings are saved.

Turn off the remote control with the key -●- . Your radiator is set to comfort mode.

8. ADJUSTMENT AND PROGRAMMING

8.1 DESCRIPTION OF THE OPERATING MODE

8.1.1 DISPLAYING THE STATUS OF THE RADIATOR

This procedure allows you to view the ambient temperature value, the time, the current mode and its temperature set-point as well as the selected options.

1. Turn on the remote control by pressing the key -●-. The temperature measured by the remote control sensor and the time are displayed. (The radiator sensor temperature can be viewed in 8.3). The active mode is displayed on the upper part of the display, comfort mode in the figure ☼	**23.8**°c **10:12**
2. Press confirm ⟳ to view the set-point temperature associated with the current mode. To change the set-point temperature or change the mode, see sections 8.1.2 to 8.2	**21.0**°c

8.1.2 COMFORT MODE ☼

The comfort mode allows you to set a constant ambient temperature in the room(s) when you are at home.

1. Turn on the remote control by pressing the key –●–.	18.0 c 10:12
2. Select comfort mode by pressing the key ☼	21.0 c
3. Adjust the temperature with the + - keys if necessary	22.5 c
4. Confirm with the key ⊘ . The comfort mode is programmed.	22.5 c

8.1.3 REDUCED TEMPERATURE MODE ☾

The reduced temperature mode allows you to decrease the ambient temperature in the room(s) when you are not at home or at night for example.

1. Turn on the remote control by pressing the key –●–.	21.0 c 10:12
2. Select REDUCED mode by pressing the key ☾	19.0 c
3. Adjust the temperature with the + - keys if necessary	18.5 c

| 4. Confirm with the key ⏻ . The reduced mode is programmed. | |

8.1.4 AUTOMATIC MODE Auto

The automatic mode (AUTO)is recommended to optimise energy consumption and maximise comfort based on your habits also reducing the use of the remote control.

The automatic mode allows you to follow the set-point temperature for comfort and reduced temperature modes based on the current time and selected program (see section 8.1.5 to choose or create a program).

1. Turn on the remote control by pressing the key ─●─.	
2. Select AUTO mode by pressing the key Auto NB: To change the program selection (P1-P9, U1-U4), see section 8.1.5 after confirming the automatic mode.	
3. Confirm with the key ⏻ . The Automatic mode is programmed.	

8.1.5 LINKING A PROGRAM WITH AUTOMATIC MODE (PROGRAMMING) Auto P

You can link the program most suited to your habits with the automatic mode AUTO, using one of the 9 preset programs P1-P9 or one of the 4 programs you can create .

The purpose of the program is to automatically switch between comfort and reduced temperature modes according to when you are present in the relevant room(s)

1. Turn on the remote control by pressing the key ─●─.	
2. Select **P** pressing the keys < or > . Confirm with the key ⏻.	

3. The program flashes. Choose program P1-P9, U1-U4 with the + keys. You can view the different days (1÷7) of each program using the keys <>. Then confirm with the key ⟳.	*[display showing Auto P2, 19.0 °C]*
4. The program has been assigned	*[display showing Auto P2, 22.5 °C 10:12]*

8.1.5.A   FACTORY PRE-SET PROGRAMS P1÷P9

To choose the program most suited to your habits, see the factory pre-set programs below:

P1: Morning, Evening and Weekend
P2: Morning, Midday, Evening and Weekend
P3: Week and Weekend
P4: Evening and Weekend
P5: Morning, Evening
P6: Morning, Evening and Weekend
P7: Week day
P8: Week day and Saturday HH
P9: Weekend

P P4

	0h	3	6	9	12	15	18	21	24
Monday 1						██████████			
Tuesday 2						██████████			
Wednesday 3						██████████			
Thursday 4						██████████			
Friday 5						██████████			
Saturday 6			████████████████████████						
Sunday 7	█		████████████████████████						

P P5

	0h	3	6	9	12	15	18	21	24
Monday 1			███					███	
Tuesday 2			███					███	
Wednesday 3			███					███	
Thursday 4			███					███	
Friday 5			███					███	
Saturday 6			███				████	████	
Sunday 7			███				████	████	

P P6

	0h	3	6	9	12	15	18	21	24
Monday 1			███			███████████			
Tuesday 2			███			███████████			
Wednesday 3			███			███████████			
Thursday 4			███			███████████			
Friday 5			███			███████████			
Saturday 6			████████████████████					
Sunday 7			████████████████████					

P P7

	0h	3	6	9	12	15	18	21	24
Monday 1			████████████████████					
Tuesday 2			████████████████████					
Wednesday 3			████████████████████					
Thursday 4			████████████████████					
Friday 5			████████████████████					
Saturday 6									
Sunday 7									

P P8

	0h	3	6	9	12	15	18	21	24
Monday 1				████████████████				
Tuesday 2				████████████████				
Wednesday 3				████████████████				
Thursday 4				████████████████				
Friday 5				████████████████				
Saturday 6				████████████				
Sunday 7									

P P9

	0h	3	6	9	12	15	18	21	24
Monday 1	████████████							
Tuesday 2									
Wednesday 3									
Thursday 4									
Friday 5						████████████████		
Saturday 6	████████████████████████████████							
Sunday 7	████████████████████████████████							

8.1.5.B   I CUSTOMISE MY PROGRAM

This option gives you the opportunity to customise programming of the automatic mode AUTO in case the pre-set programs do not suit you.

The creation of a program is only possible using a master remote control. When "room" remote controls are installed, they automatically retrieve user programs defined on the master remote control. Any change in a program will require its complete redesign.

The procedure is the same as for its creation, you will rewrite over the old program.

NOTE: You can write the names of your programs in the specific space. It is advisable to use a pencil that can be erased to create or change the names of the programs as many times as desired.

table A.

	Icon	Modo in cui si pone il radiatore	
Wake up	🛏🚶	Comfort	☀
Return to home	🚶🏠	Comfort	☀
Leave home	🏠🚶	Reduced	🌙
Sleep	🚶🛏	Reduced	🌙

Programming:

1.	Repeat steps 1 to 2 of section 8.1.5 then select a program U1 to U4 with the + - keys. You can view the different days(1÷7) of each program using the <> keys.	P U1
2.	To edit the program, press the confirm key ⊽ . The Monday program setup will start.	P U1
3.	Choose the scheduled time for wake up with the + - keys then confirm with the key ⊽.	P U1 07:00
4.	Set the desired sequence for each hour of the day until completing the full 24-hour arc. See Table A. With the < and > keys choose the option you want and confirm it with the ⊽ key. With the + and – keys select the period of time for the status you want (comfort o reduces).	P U1
5.	You can copy the program from one day to another. After programming the first day, COPY YES is displayed and the reference day appears ①②③④⑤⑥⑦ . Confirm with the key ⊽. There will also be a request to copy for the next day ①②③④⑤⑥⑦ And so on all the following days. In case of a mistake, click ↩ to cancel the copy of the program. If you do not want to copy/if you want to stop copying the program while COPY YES is displayed, press + or - to display COPY NO, then confirm with the key ⊽.	COPY YES COPY no

6. If you have not copied the program, the next day is displayed. Edit the program by repeating step 4.	P U1
7. When you have finished editing the Sunday program, SAVE appears. The automatic mode AUTO and the edited program are enabled	P U1 SAVE
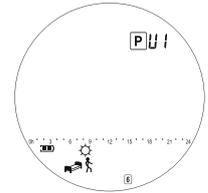
P U1 _____
_____

P U2 _____
_____

P U3 _____
_____

P U4 _____
_____

P U1
```
0h · · 3 · · · 6 · · · 9 · · 12 · · 15 · · 18 · · 21 · · 24
[1]                    Monday
[2]                    Tuesday
[3]                   Wednesday
[4]                    Thursday
[5]                     Friday
[6]                    Saturday
[7]                     Sunday
```

P U2
```
0h · · 3 · · · 6 · · · 9 · · 12 · · 15 · · 18 · · 21 · · 24
[1]                    Monday
[2]                    Tuesday
[3]                   Wednesday
[4]                    Thursday
[5]                     Friday
[6]                    Saturday
[7]                     Sunday
```

P U3
```
0h · · 3 · · · 6 · · · 9 · · 12 · · 15 · · 18 · · 21 · · 24
[1]                    Monday
[2]                    Tuesday
[3]                   Wednesday
[4]                    Thursday
[5]                     Friday
[6]                    Saturday
[7]                     Sunday
```

P U4
```
0h · · 3 · · · 6 · · · 9 · · 12 · · 15 · · 18 · · 21 · · 24
[1]                    Monday
[2]                    Tuesday
[3]                   Wednesday
[4]                    Thursday
[5]                     Friday
[6]                    Saturday
[7]                     Sunday
```

8.1.6   ANTI-FREEEZE MODE ❄

The anti-freeze mode allows you to maintain a temperature adjustable between 3 and 10°C during a prolonged absence. You have the possibility of limiting or not limiting the time of the anti-freeze mode.

Once the time has elapsed, the selected room will go back to the previous mode.

1. Turn on the remote control by pressing the key –●–.	
2. Select the anti-freeze mode using the <> keys. Then confirm with ☑ . On display "NO" flashes. If you confirm with the ☑ Ket the anti-freeze mode it will be confirmed until a new status is set.	
3. If you use + and – keys, the time flashes and you can set it, use the + - keys, then confirm with ☑. These are the available setting time-units: | Periods	Time-unit
1 to 44 days	1 day
No	No timer		
4. The temperature flashes. To adjust it, use the + - keys, then confirm ☑. The count starts and the snowflake symbol flashes for the set time	

8.1.7   TIMER MODE ⧗

The timer mode allows you to override the current mode and to set a time and a temperature value. Once the time has elapsed, the radiator will go back to the previous mode.

1. Turn on the remote control by pressing the key –●–.	
2. If the remote control is in automatic mode AUTO press the + key, otherwise, select the TIMER mode using the <> keys. Then confirm with ☑ .	
3. The time flashes. To adjust it, use the + - keys, then confirm with ☑. These are the available setting time-units: | Periods	Time-unit
1 to 24 hours	1 hour
1 to 44 days	1 day		

4. The temperature flashes. To adjust it, use the + - keys, then confirm with ⋁ . The count starts and the hourglass symbol ⌛ flashes for the set time. .	⌛ 225.°C 03:00

8.1.8 POWER OFF MODE ⏻

For regulatory reasons, the radiator can be turned off using the switch on the side unit only.

For the same reasons, the radiator can be turned back on using the switch on the side unit only.

When a radiator is turned on again, all the radiators that are on in the room will switch to

comfort mode

NOTE: When a radiator is in standby, RF communications remain activated. Be careful, if you disconnect the power supply to a radiator, this can make all the radiators in the room inoperative.
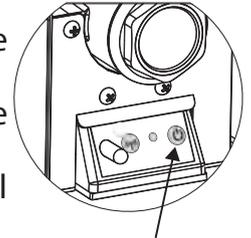
8.1.9 INFORMATION MENU ⓘ

The information menu enables you to view the temperature and energy consumption per day, per month, per year or total.

1. Turn on the remote control by pressing the key -●-.	225.°C 10:12
2. Select the ⓘ mode by pressing the < > keys. Confirm with ⋁ .	ⓘ 01 190°C
3. View the different screens using the + - keys: - temperature - daily consumption - weekly consumption - monthly consumption - yearly consumption - total consumption	ⓘ 12 dEc 315 kWh
4. To exit the information menu, press the key ↵ or set the remote control to standby mode by pressing the key -●-.	225.°C 10:12

The complete information menu is shown in the following table:

01	Room temperature		21.0 °C
02		of the day	d 0000
03		of previous day	d-1 0000
04		of current week	W 0000
05		of previous week	W-1 0000
06		of current month	JAn 0000
07			FEb 0000
08			Mar 0000
09			APr 0000
10			May 0000
11			Jun 0000
12	Energy consumption kWh	of last 11 months	Jul 0000
13			AuG 0000
14			SEP 0000
15			Oct 0000
16			Nov 0000
17			Dec 0000
18		of current year	Y 0000
19			Y-1 0000
20		of previous 4 years	Y-2 0000
21			Y-3 0000
22			Y-4 000000
23		since radiator commissioning	To 000000

8.2   TIME AND DATE SETTING

1.	Turn on the remote control by pressing the key -●-.	
2.	Access the date and time edit menu by pressing the confirm key for 3 seconds ⌄ .	
3.	Time setting The number of hours is flashing: change the values using the + - keys. Use the <> arrows to set the minutes and then the keys to adjust the value / Confirm with the key ⌄ .	

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4.	Date setting Choose a day of the week from 1 to 7 (1=Monday, …7=Sunday) with the < > arrows. Confirm with the key ✓.	11:15
5.	DATE is displayed, press ✓ to edit.	dAtE
6.	Select the day and month with the < > arrows. Change values with the + - keys. Confirm with the key ✓.	30.06
7.	Year setting. Use the + - keys to set the year. Confirm using the key ✓. SAVE is displayed. The settings are saved.	2017
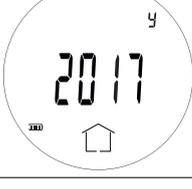
8.3   GENERAL SETTINGS

8.3.1 USER PARAMETER LIST

This menu allows you to choose your user preferences and enable or disable certain options (the modification procedure is explained in section 8.3.3).

N°	Function	Visualization and possible choices	
01	Language: French or English	LANG FRA	LANG ENG
02	Degrees: Celsius or Fahrenheit	deG CEL	deG CEL
03	Time format	1005 24h	1005 12h
04	Automatic change of summer / winter time	Dst YES	Dst NO
05	Calibration of the remote control temperature sensor	AirC no	AirC YES
06	Calibration of the radiator temperature sensor	radC no	radC YES
07	Enable Intelligent Temperature Control System.	itCS no	itCS YES
08	Enable open window detection. The window detection is enabled in the entire room.	Win YES	Win no
09	Presence detection (function not available on this model)	MiC YES	MiC no
10	Reset remote control *	Clr ALL	---
11	Software version installed	Rond …	---
12	House pairing	rfHOME	---
13	Room pairing (function not available on this model)	rfroom	---
14	Delete room (function not available on this model)	Erase ro	---
15	Remote control master/room choice (function not available on this model) *	Master	room
16	End (exit from the user parameters menu)	End	---

*For menus 10,14,15, press for a long time (10 seconds) to confirm deletion.

If the remote control setting (parameter 10) is cleared by mistake, it will be necessary pairing the radiator, in this case contact the after-sales service.

Temperature sensor calibration (sub-menu 06).

Temperature sensor is present in the lower part of the radiator.

The radiator is controlled by means of their own sensor.

If there is a difference between the perceived temperature, the set-point and the radiator temperatures, you can adjust the radiator temperature sensors by + or - 5°C.

These potential differences may be due to the room lay-out, wall insulation, air flow or remote control exposure to direct sunlight.

Caution: All temperature checks must be carried out with a radiator turned on for at least 6 hours.

For temperature calibration follow the steps below:

1. Turn on the radiator in the Confort mode and wait at least 6 hours

2. If when the room is warm the radiator is still heating up beyond the set point or if the radiator stops before reaching that set point, put a thermometer in the center of the room at about 1,5 m off the floor without manipulating it for at least 15 minutes. Then compare the temperature read by the thermometer and the one read by the radiator.

3. If a difference between the two temperatures is detected, it is necessary to proceed with the calibration of the temperature read by the radiator (parameter 06): enter in the menu 06 and activate the radC function modifying the parameter according to the difference detected.

e.g. 01: The set temperature is 20°C, and the temperature read by the thermometer in the room is 22°C. In this case it is necessary to modify the temperature read by the sensor increasing it by 2°C to let the radiator stops at the right temperature.

e.g. 02: The set temperature is 20°C, and the temperature read by the thermometer in the room is 18°C. In this case it is necessary to modify the temperature read by the sensor decreasing it by 2°C to let the radiator continue to heat till the set point.

At the end of the operation remember to put the radiator in the desired operating mode (Comfort, Auto, Reduced, etc.).

"ITCS" Function (sub-menu 07).

The intelligent temperature control system (ITCS) will activate your system in advance (2 hours maximum) to make sure you have the desired temperature at the set time in automatic mode (AUTO).

Detection of open windows (sun-menu 08). ⊟

This icon appears if the open window detection is enabled.

Electronic systems can interpret if windows have been opened. In this case, the radiator turns off after 30 minutes.

The icon flashes when an open window is detected. The window detection is enabled in all modes.

In case of a remarkable variation in temperature (> 5°C) requested by the user, detection may be active.

Please Note: We do not recommend the use of the "open window" function if the radiator is installed in a corridor or near the entrance doors.

Lock/unlock the remote control 🔒

To lock or unlock the remote control, simultaneously press the confirm key ⟳ and the "-" key.

The symbol 🔒 appears or disappears on the remote control display.

Heating 〜

The symbol 〜 is displayed for the total duration of the heating cycle.

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8.3.3 USER PARAMETER EDITING

To edit a user parameter (see section 8.3.1), simply follow these steps:

1.	Turn on the remote control by pressing the key _-●-_.	
2.	Enter the user preferences menu by pressing Confirm for <u>6 seconds</u> ⌧ .	
3.	Use the < > arrows to scroll through the 14 sub-menus and then confirm pressing ⌧.	
4.	To edit a sub-menu: use the + - keys to change the value and then confirm with the key ⌧.	
5.	To exit the menu: Go to sub-menu 16 "End" and then confirm with the key ⌧. Otherwise turn off the remote control with the key _-●-_.	

9.   TROUBLESHOOTING

In case of failure, do not use the appliance and disconnect it from the power supply.

For repair, do not open the radiator, contact only authorised technicians allowed to work on this type of product.

If the power cord is damaged it must be replaced by the manufacturer, its after-sales service or similarly qualified personnel to avoid any hazard.

The manufacturer is not liable for any damage to people, animals and things deriving from improper handling or work on the radiator.

Problems	Possible cause	Solution
The remote display is control frozen The keys are not working	The remote control is locked	Unlock the remote control (see 8.3.2)
The radiator does not heat up. The LED on the radiator control unit is red and flashes once every 5 seconds. The remote control displays the code "E1"	Temperature sensor disconnected	Contact the after-sales service for repair
The radiator does not heat up. The LED on the radiator control unit is red and flashes twice every 5 seconds. The remote control displays the code "E2"	Temperature sensor shorted	Contact the after-sales service for repair
The radiator does not heat up. The LED on the radiator control unit is red and flashes three times every 5 seconds. The remote control displays the code "E3"	Abnormal high temperature of sensor (T°> 50°C)	Make sure you do not have any object that could disturb the sensor located at the bottom right-hand side of the radiator
The radiator does not heat up. The LED on the radiator control unit is red and not flashing	The radiator is not paired	Contact the after-sales service
The digital thermostat displays the code "Err rF"	Communication error	Verify that the radiator is ON. if the problem persist please contact the after-sales service
The wall over the radiator gets dirty	Presence of dust and / or smoke in the room. Heat-sensitive wall paint.	Avoid smoking in the room, keep the radiator clean, choose a wall paint suitable to hot temperatures.
There is no correspondence between the room temperature and the temperature set on the radiator	The radiator and its probes are in a bad position to read the room temperature.	Calibrate radiator as per paragraph 8.3.2
The radiator is always on and the room does not reach the set temperature	The radiator is undersized with respect to the room	Change the radiator or add another one
The radiator is always on	The sensor probes always detect a temperature too low	Verify that the radiator is not in a location subject to cold air currents.
The radiator surface is very hot.	The radiator reaches high temperatures but with respect to product safety standards	-----

Model identifier(s): **Decoral Electric Vertical 1500W / 2000W**					
Item	Symbol	Value	Unit	Value	Unit
Heat Output				**Type of heat output/room temperature control**	
Nominal heat output	Pnom	1,5/2,0	kW	single stage heat output and no room temperature control	No
Minimum heat output (indicative)	Pmin	n.d.	kW	Two or more manual stages, no room temperature control	No
Maximum continuous heat output	Pmax,c	1,5/2,0	kW	with mechanic thermostat room temperature control	No
Auxiliary electricity consumption				with electronic room temperature control with electronic room temperature control	No
At nominal heat output	elmax	1,5/2,0	kW	electronic room temperature control plus day timer	No
At minimum heat output	elmin	n.d.	kW	electronic room temperature control plus week timer	yes
In standby mode	elSB	< 0,5	W	**Other control options**	
				room temperature control, with presence detection	No
				room temperature control, with open window detection	yes
				with distance control option	No
				with adaptive start control	yes
				with working time limitation	No
				with black bulb sensor	No
Contact details	Fondital Spa Via Cerreto,40 25079 Vobarno (Brescia)				

EU DECLARATION OF CONFORMITY

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Radio equipment: **electric radiator eGarda / eGarda-N**

Name and address of the manufacturer or his authorised representative:

Fondital S.p.A.

25079 VOBARNO (Brescia) Italy - Via Cerreto, 40

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Object of the declaration: **electric radiator model eGarda / eGarda-N**

The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

Directive 2014/53/EU

Directive 2011/65/EU.

References to the relevant harmonised standards used:

ETSI EN 300 220-2 V3.1.1

Accessories which allow the radio equipment to operate as intended and covered by the EU declaration of conformity:

R**adio remote control**

Fondital Spa

In the Direction's stead

The manager of Technical Office

eng. Roberto Cavallini
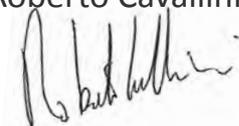
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