

EN

Dear Customer,



we thank you for your confidence. Before installing and/or using the product, please read carefully this manual concerning the correct installation, use and maintenance of the appliance.

We remind you as well that this manual must accompany the radiator in case of transfer to another place of installation.

THE PACKAGE INCLUDES:

Aluminium radiator equipped with provided with electronic thermostat, fastening kit composed of two brackets and relevant plastic parts, paper template for fastening reference, screws and wall blocks, instruction manual.

INDEX

1. WARNINGS	EN-21
2. ELECTRICAL CONNECTIONS	EN-22
2.1 DETAILS ON INSTALLATION IN THE BATHROOM	EN-22
3. INSTALLATION OF THE APPLIANCE	EN-22
3.1 RADIATOR WALL MOUNTING	EN-23
4. ADJUSTMENT	EN-25
4.1 OPERATING MODES	EN-26
4.1.1 COMFORT MODE:	EN-26
4.1.2 NIGHT REDUCTION MODE (ECO)	EN-26
4.1.3 FREEZE PROTECTION MODE	EN-26
4.1.4 STAND-BY MODE:	EN-26
4.1.5 PILOT WIRE MODE (FOR FRANCE ONLY)	EN-26
4.1.6 TIME SETTING	EN-27
4.1.7 PROGRAMMING/AUTOMATIC OPERATION WITH WEEKLY PROGRAMMING	EN-28
4.1.8 DEROGATION IN LOCAL PROGRAMMING MODE	EN-28
4.1.9 RE-READING OF THE STORED PROGRAMMES	EN-28
4.2 KEYPAD LOCK	EN-29
4.3 WINDOW STATUS ACKNOWLEDGEMENT	EN-29
4.3.1 OPEN WINDOW	EN-29
4.3.2 CLOSED WINDOW	EN-29
4.4 ACCUMULATED CONSUMPTION READING (KWH)	EN-29
4.5 CONFIGURATION MODE	EN-29
4.5.1 COMFORT SET-POINT MAXIMUM VALUE	EN-30
4.5.2 SET-POINT REDUCTION VALUE IN ECO MODE	EN-30
4.5.3 FREEZE PROTECTION SET-POINT VALUE	EN-30
4.5.4 TEMPERATURE MEASUREMENT CORRECTION BY THE USED (OFFSET ADJUSTMENT)	EN-30
4.5.5 WINDOW DETECTION	EN-30
4.5.6 RADIATOR POWER CALIBRATION	EN-31
4.5.7 CALENDAR FUNCTION	EN-31
4.5.8 STARTING PARAMETER RESETTING	EN-31
5. RADIATOR CLEANING	EN-31
6. FAILURES	EN-31

7. WARRANTY	EN-32
8. ENVIRONMENT.....	EN-33
9. CHARACTERISTICS OF THE APPLIANCE	EN-33
10. INFORMATION ACCORDING TO EU REGULATION 2015/1188 OF 28 APRIL 2015	EN-34
11. DECLARATION OF CONFORMITY.....	EN-36

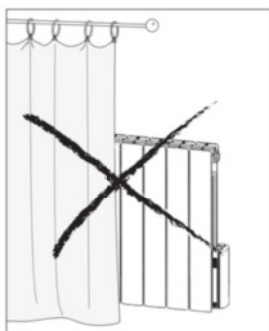
1. WARNINGS



The symbol shown here appears on a label on the radiator, whose meaning is: to avoid the overheating of the appliance, **DO NOT COVER THE RADIATOR** with clothes or other objects.

The radiator shall in no case:

- be covered in part or in full
- be in direct contact or too close to curtains, furniture, etc.



The radiator shall in no case be installed:

- in a niche
- at less than 10 cm from room corners
- under a power outlet
- above a shelf.

The radiator must be fixed to a wall through the supporting brackets provided with the product. Interventions on the appliance must be carried out by a qualified professional. Repairs that require to open the fluid tank must be carried out by the manufacturer, its agents or the customer service.



WARNING: some components of this product may become very hot and burn.

Pay particular attention in the presence of children or disabled people.

Children under the age of 3 must be kept away from the appliance unless they are supervised.

Children aged between 3 and 8 can only turn the radiator on or off, provided that it is positioned properly and that children have been taught the safe use of the appliance and have understood the possible correlated risks.



Children aged between 3 and 8 cannot connect the appliance to the power outlet, cannot adjust or clean the appliance, and cannot carry out any kind of maintenance.

The appliance can be used by children aged no less than 8 and by persons with reduced physical, sensory or mental capabilities, or who do not have proper experience and knowledge, provided that they are supervised or they have been instructed on safe use of the appliance and have understood the inherent risks.

Do not allow children to play with the appliance.



Cleaning and maintenance intended to be carried out by the user shall not be performed by unattended children.

This appliance is filled with a precise quantity of oil.

Any reparations requiring the opening of the oil tank must be carried out only by the manufacturer or its technicians, that should be contacted in case of oil leaks; when the appliance is scrapped, it is necessary to comply with regulations concerning the disposal of oil.

2. ELECTRICAL CONNECTIONS

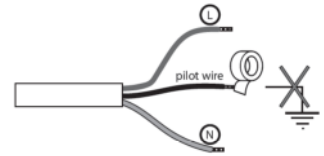


IMPORTANT

During installation, maintenance and cleaning, the appliance must not be powered.

The appliance must be powered only with 230 Vac voltage. The radiator has 3 cables as per the table below :

Brown	Phase
Blue or Gray	Neutral
Black	Pilot wire



WARNING

The Pilot Wire is intended for radiators sold in France. If the black "pilot wire" is not used, safety standards impose to insulate it and not to connect it for any reason to the ground wire.

It is compulsory to install a multipolar switching device. The minimum separation distance between contacts shall be at least 3 mm.

It is compulsory that the power supply circuit of the appliance is protected by a **high sensitivity differential protection device**.

Do not introduce and do not try to penetrate with metal objects into the side of the radiator containing the adjustment electrical system (right side).

If the power cable is damaged, it must be replaced only by a qualified electrician.

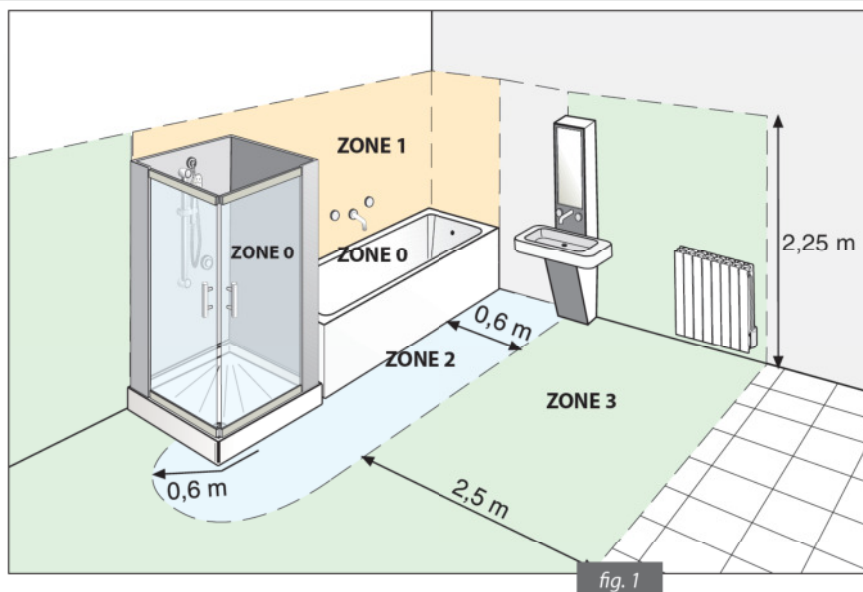
2.1 Details on installation in the bathroom

Installation must be compliant with the standards and laws in force in the country of installation. The radiator is in class II and with IP24 electrical protection. In the bathroom, it can be installed in areas 2 and 3 (see figure no.1) only if the control device cannot be touched by people that are using the shower or the bath.

Radiator mustn't be connected to the earth wire.



In the bathroom, protect the power line with a high sensitivity 30 mA differential protection device



Install a multipolar switching device. The minimum separation distance between contacts shall be at least 3 mm.

3. INSTALLATION OF THE APPLIANCE

To achieve the best results in terms of heat output and comfort of your appliance, we recommend to install the radiator, if possible, under a window or near areas with high heat loss of the room to heat.

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


Curtains, furniture or other objects that may obstruct the correct heat distribution must be placed at a minimum distance of 500 mm from the front of the radiator.

Respect a distance of at least 120 mm from the lower edge of the radiator and the floor and at least 300 mm from a possible shelf.

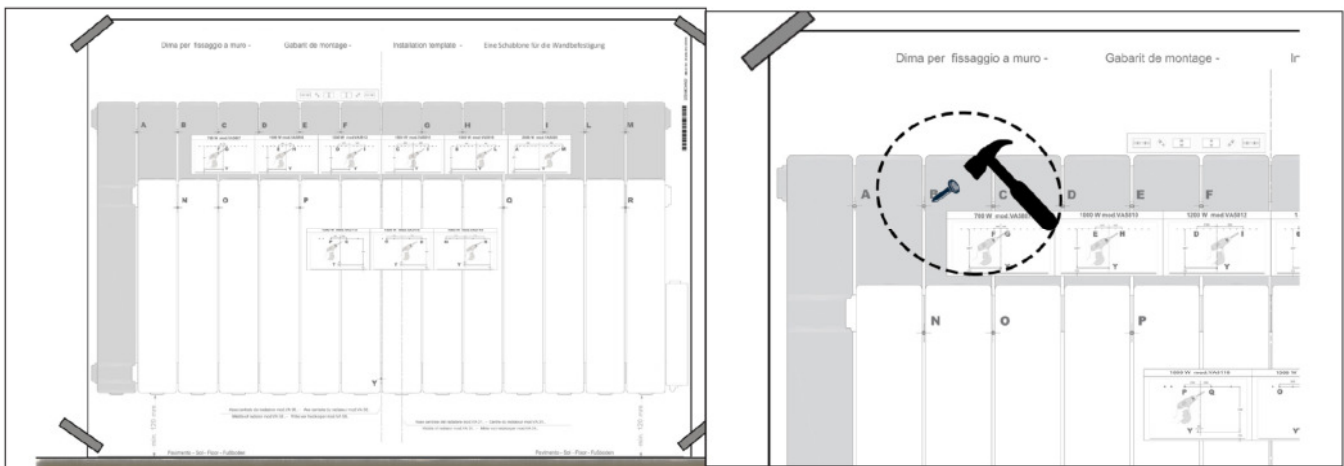
3.1 Radiator wall mounting

The radiator must be fastened to a wall through the suitable mounting brackets provided with the product. The fastening system is composed of:

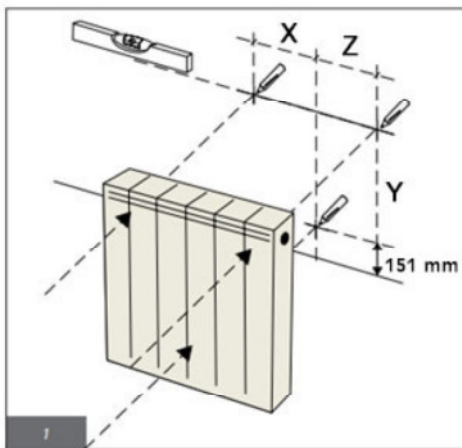
A	A1 x2	A2 x2	B	x1
C	x2		D	x3
E	x3		F	x3

 The supplied plug is only suitable for masonry walls. Otherwise (eg plasterboard, wood, etc.), purchase the appropriate plugs.

Using adhesive tape, stick the template supplied in the desired position and mark the position of the holes, then remove the template:



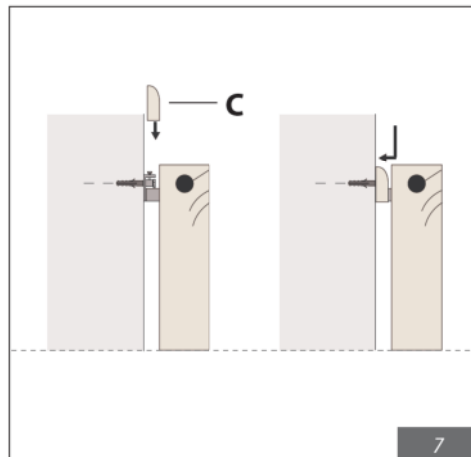
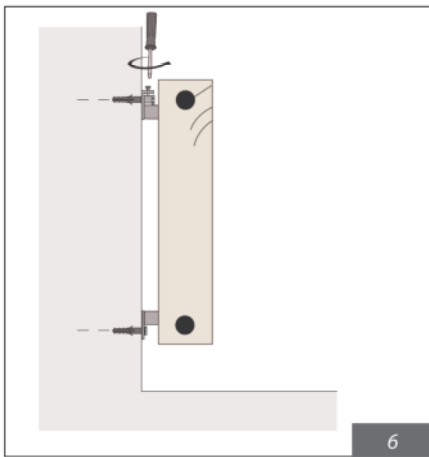
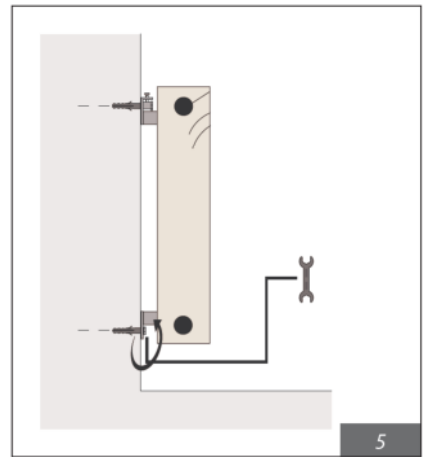
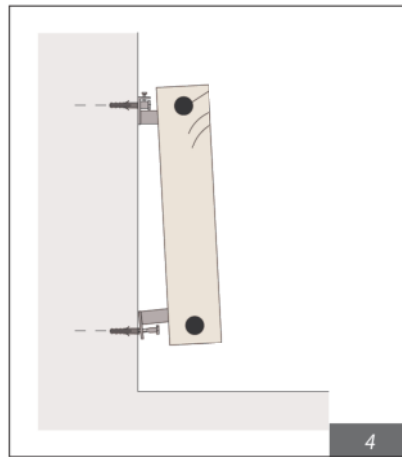
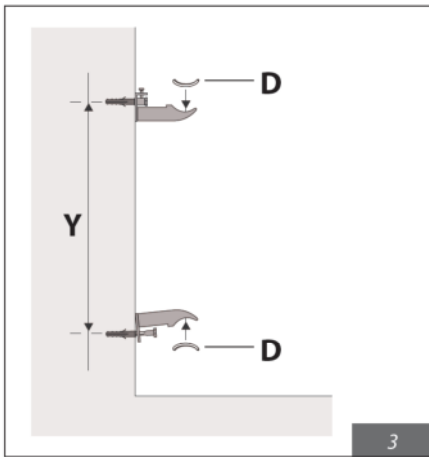
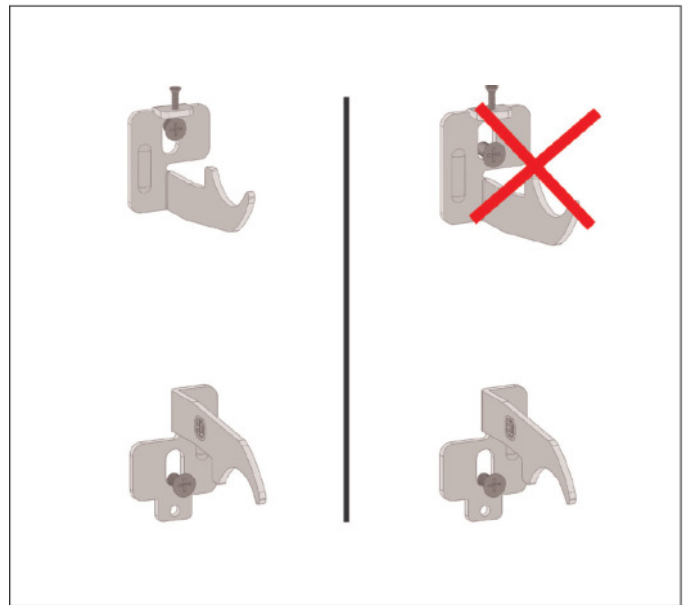
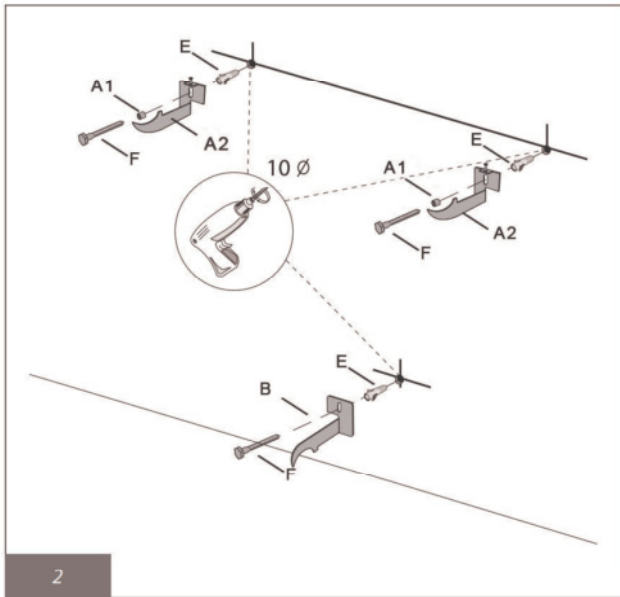
Without any template, mark the position of the holes according to the indications of the following tables:



Mod. 31..	Number of sections (power)		
	7 (1000W)	12 (1500W)	13 (2000W)
DIM. Z (mm)	200	440	520
DIM. X (mm)	200	360	440
DIM. Y (mm)	340	340	340

Mod. 58..	Number of sections (power)					
	4 (700W)	6 (1000W)	9 (1200W)	10 (1500W)	12 (1800W)	14 (2000W)
DIM. Z (mm)	80	160	320	320	400	480
DIM. X (mm)	80	160	240	320	400	480
DIM. Y (mm)	487	487	487	487	487	487

Then follow the steps illustrated below:

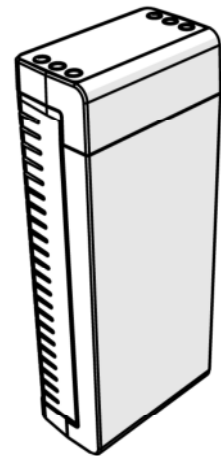
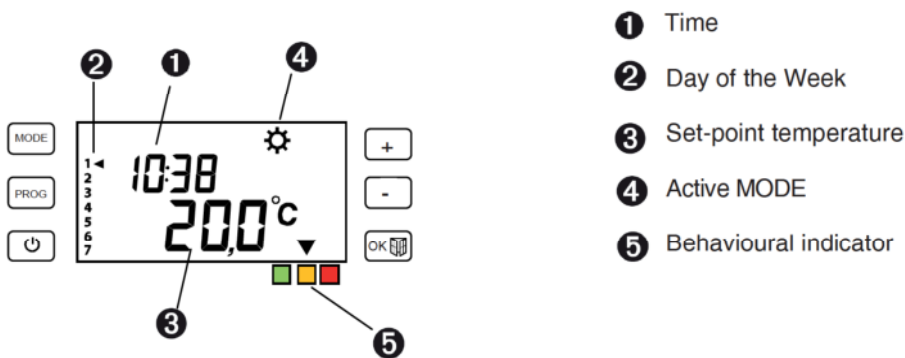


The operation is over only when the lower screw is well tightened and the radiator is fixed on the wall, without any possibility of movement.

In any case the minimum distance of the radiator from the floor must be 120 mm.

4. ADJUSTMENT

The electronics, placed on radiator right side, features six keys and a display showing radiator status. The device has 6 operating modes: Comfort, night reduction, freeze protection, programming, Pilot wire (usable only in France), stand-by.



Tasti :

- Operating Mode (Auto, Comfort, Eco, Anti-freeze, PROG, AUTO)
- Time setting / Programming / Configuration
- ON / OFF
- + key
- key
- Confirm settings / Disable the Open Window function

The behaviour indicator provides an immediate visual indication of the energy consumption required when a specific temperature is set. Setting high ambient temperatures entails a high energy consumption.

The red colour indicates a high energy request, while the green colour indicates a lower energy.

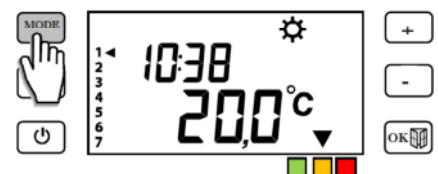
The colour is associated to the requested temperature, as follows:

- Green: up to 19°C
- Orange: 19.5°C to 24°C
- Red: above 24.5°C



The operating mode can be selected among the following options using "MODE" key:

- Permanent "Comfort" operation
- Permanent "ECO" operation
- Permanent "Freeze protection" operation
- Weekly automatic mode operation based on radiator programming
- Operation based on hourly programming coming from the Pilot Wire input



4.1 Operating modes

4.1.1 COMFORT MODE: ☀

It is the standard mode of use of the radiator to keep the ambient temperature to the value set.

To adjust the temperature you wish to set

1. Keep the "MODE" key pressed until symbol is displayed ☀
2. adjust the temperature using "+" and "-" keys
3. Press "OK" to confirm



The comfort set-point can be adjusted by the user, in steps of 0.5°C within the range between

7°C and 30°C. The maximum value depends on the adjustment made in configuration mode, as explained in paragraph 4.5.1 (default value: 28°C).

4.1.2 NIGHT REDUCTION MODE (ECO) ☾

In this mode the set temperature is 3.5 °C lower than the one set in comfort mode.

It is possible to change the set temperature using buttons + and -, at steps of 0.5 °C and confirm with OK, with the following limits: it must never exceed the comfort set point and 19 °C.

It is also possible to change the night reduction value by 3.5 °C to a different value, from 0 to 10 °C (see paragraph 4.5.2). In this case the ECO temperature value can not be changed with buttons + and - and will have the same value set for the comfort mode reduced by the night reduction value.



4.1.3 FREEZE PROTECTION MODE ❄

By selecting this mode, the set ambient temperature is 7°C, and cannot be edited by the user.

4.1.4 STAND-BY MODE: ⏻

Key ⏻ allows switching on or off the radiator, regardless of the operating mode.

The switching off has the priority over all the menus, including those relating to adjustment and configuration.

Should the device be switched off while a value is being edited and, should such a value not have been saved before the switching off, the edited value will not be stored inside memory.

An audible signal (3 BEEPS) will be emitted upon device switching off.

Another audible signal (1 BEEP) will be emitted upon device switching on.

Warning: in this position the radiator is anyway powered.

4.1.5 PILOT WIRE MODE (FOR FRANCE ONLY). **AUTO**

In this mode the radiator is controlled by a remote control unit.

The temperature set depends on the Pilot Wire controls. This mode can be used only in France.

This mode can be selected using the "MODE" key.

During operation in "auto" mode, the set temperature value can be edited using "+" and "-" keys, thus independently from them set-point.

This derogated set-point stays valid until the next order change by the Pilot wire.

The displaying of a "Hand" shaped pictogram means that one derogation is in progress.



4.1.6 TIME SETTING

There are two time setting modes (refer to paragraph 4.5.7). One is “without calendar” and the other one “with calendar”. The mode “with calendar” (active by default) allows to automatically manage the passage to daylight saving time.

Time setting “with calendar” (daylight saving time management) is active by default

- 1 Press **PROG** key
 - 2 Set the hour and press **OK** to confirm
 - 3 Set the minutes and press **OK** to confirm
 - 4 Set the year and press **OK** to confirm
 - 5 Set the month and press **OK** to confirm
 - 6 Set the day and press **OK** to confirm
 - 7 Press **OK** to exit this mode, or **PROG** to enter in the programming mode.
-

Note: Calendar setting will automatically update the indication of the current day (1 to 7).

- Time setting without calendar

- 1 Press **PROG** key
 - 2 Set the hour and press **OK** to confirm
 - 3 Set the minute and press **OK** to confirm
 - 4 Set the day and press **OK** to confirm
 - 5 Press **OK** to exit this mode, or press **PROG** to enter in the programming mode.
-

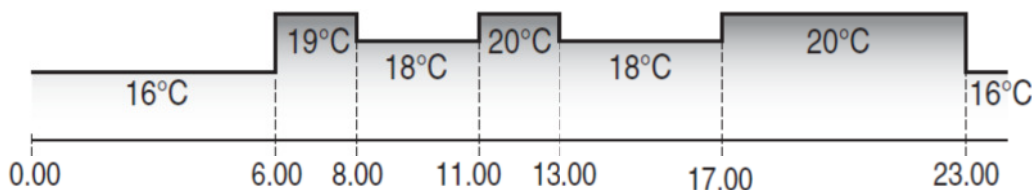
Note: If calendar setting has already been performed, it will not be possible to access the day setting in this mode.

4.1.7 PROGRAMMING/AUTOMATIC OPERATION WITH WEEKLY PROGRAMMING

Each day of the week can be programmed by setting the desired temperature in a specific time slot. A maximum of 7 time slots can be defined for each day, and each time slot can be set to a different temperature value.

Example.

Set the day temperature values as follows:



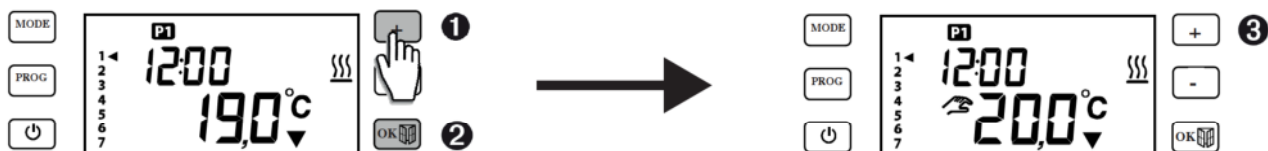
- 1 Press **PROG** twice in the Normal Mode, or once if you are already in time setting mode.
- 2 Keep **OK** pressed for 3 seconds until the temperature starts flashing.
- 3 Set the temperature of the first time slot of the first scheduling day (start time at 12PM) by using “+” and “-” keys. Then press **OK** to confirm
- 4 Set the start time of the second time slot (corresponding to the end of the first one) and press **OK** to confirm, then set the desired temperature and press **OK** to confirm and proceed to the third time slot and so on, until a maximum of 7 time slots.
- 5 Press **PROG** to go at the following day and repeat the programming procedure. Keep **PROG** pressed for 3 seconds if you want to copy the schedule just made and use it for the following day.

To let the radiator work based on the set programming, select the “P1” mode using the “Mode” key.

4.1.8 DEROGATION IN LOCAL PROGRAMMING MODE

During operation in local programming mode, the set temperature can be edited compared to the one set in programming. The edited temperature (derogation from the programmed temperature) is valid until the next programming change.

The displaying of a “Hand” shaped pictogram means that one derogation is in progress.



4.1.9 RE-READING OF THE STORED PROGRAMMES

The created programmes can be displayed.

1. Starting from the standard operating mode, press the “PROG” key to display the created programmes (direct access if time has just been set).
2. Press “OK” to go through the different programme steps. Press key for more than 3 seconds to access again programme writing mode.

4.2 Keypad lock

Starting from the standard operating mode, press “+” and “-” keys at the same time for at least 5 seconds until the “padlock” pictogram appears on the display.

To unlock the keypad, press again for more than 5 seconds the “+” and “-” keys at the same time, until the “padlock” pictogram turns off.

Note: When the product is in keypad locked mode, the ON/OFF key and thus the switching off function are anyway always active. The switching off does not cancel the keypad lock in progress and, once product is switched on again, keys will be locked.



4.3 Window status acknowledgement

4.3.1 OPEN WINDOW

This function integrated inside the device is used to reduce the energy consumption resulting from the opening of a door or a window overlooking a colder area when the device is in comfort, comfort (-1), comfort (-2) or eco status.

This function allows to automatically detect a sudden ambient temperature drop inside the room where the radiator is installed and to set it to freeze protection mode.

Note:

If the opening of a window has been detected, press once the “OK/window” key to cancel this function and the product goes back to the operating mode before detection.

The “WINDOW” pictogram shows that this condition has been detected and that the function has consequently been activated.

The “WINDOW” pictogram is steady on when the function is activated and it starts flashing every second when a temperature drop has been detected.

Press the “OK/window” key to interrupt the window detection phase.

4.3.2 CLOSED WINDOW

This function allows quitting the freeze protection mode activated by a previous detection of the opening of a window on cold climate.

It allows to automatically detect an increase of the ambient temperature inside the room where the radiator is installed, subsequent to the closing of the window, and to re-activate the operating mode active upon opening acknowledgement.

Once the previous operating mode is activated again (both after the detection of a temperature increase and when window key is pressed), the “WINDOW” pictogram becomes steady again and the radiator starts operating again in the mode it was set to upon detection.

4.4 Accumulated consumption reading (kwh)

This function can be accessed by pressing “MODE” key for more than 5 seconds.

The displayed consumption is mathematically calculated based on the time for which the heating resistor is powered and is displayed in KWh. It is calculated based on the radiator power defined in product configuration mode, hence it is not physically measured on the radiator. To use this function, it is thus necessary to manually set radiator power as described in next paragraph 4.5.6.

Press key “-” for more than 5 seconds to reset consumption calculation.

This function will be automatically quitted after 5s.

4.5 Configuration mode

The configuration mode allows adapting the radiator to user’s needs.

To access the configuration menu:

Press “Prog” key for more than 5 seconds.

Each following pressure of this same key allows shifting to next parameter.

In case of inactivity for 120 seconds, the configuration mode will be automatically terminated



Once this mode is accessed, the thermostat displays the following parameters:

4.5.1 COMFORT SET-POINT MAXIMUM VALUE.

The indication of this selection is displayed by selecting digit "1" present on display left side (vertical scale from 1 to 7) and by the value of the maximum set-point of the comfort mode and by the sun pictogram.

Modification possible from 22°C to 30°C in steps of 0.5°C. Default value: 28°C.

These modifications are made through the "+" key to increase, and through the "-" key to decrease. A short press on "OK" will confirm and store the adjustment.



4.5.2 SET-POINT REDUCTION VALUE IN ECO MODE.

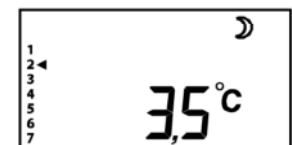
The indication of this selection is displayed by selecting digit "2" present on display left side (vertical scale from 1 to 7) and by the reduction value compared to the comfort set-point in tenths of degree and by the moon pictogram.

Modification possible from 0 to 10°C in steps of 0.5°C, or 3 dashes on the display.

The reduction default value is 3.5°C. These modifications can be set through the "+" key to increase and through the "-" key to decrease.

A short press on "OK" will confirm and store the adjustment.

If the three dashes on the display are selected, the eco set-point will no longer be associated to the comfort set-point, thus derogating from the limits specified in paragraph 4.1.2.



4.5.3 FREEZE PROTECTION SET-POINT VALUE

The indication of this selection is displayed by selecting digit "3" present on display left side (vertical scale from 1 to 7) and by the value of the comfort mode set-point and by the snowflake pictogram.

Modification possible from 7°C to 14°C in steps of 0.5°C. Default value: 7°C.

These modifications can be set through the "+" key to increase and through the "-" key to decrease. A short press on "OK" will confirm and store the adjustment.



4.5.4 TEMPERATURE MEASUREMENT CORRECTION BY THE USED (OFFSET ADJUSTMENT).

The indication of this selection, allowing to correct a constant value on the whole range of the measured temperature, is displayed by selecting digit "4" present on display left side and by the correction value in tenths of degree

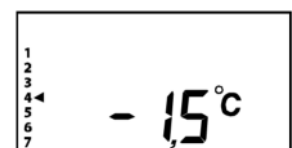
It allows correcting any temperature reading difference between the radiator and a thermometer positioned in a different point of the room. Be reminded that the radiator detects the temperature in its installation area and in room lower part.

Modification possible of +/- 5°C in steps of 0.1°C. Default value: 0°C.

These modifications can be set through the "+" key to increase and through the "-" key to decrease.

A short press on "OK" will confirm and store the adjustment.


The picture shows an example for a correction of - 1.5°C.



4.5.5. WINDOW DETECTION

The indication of this selection, allowing to activate or deactivate the open window detection function, is displayed by selecting digit "5" present on display left side (vertical scale from 1 to 7). Default setting: window detection not active.

Function is activated and deactivated by pressing repeatedly key "+".

When the function is active the window pictogram is lit on the display .

A short press on "OK" will confirm and store the adjustment.

4.5.6 RADIATOR POWER CALIBRATION

The indication of this selection, allowing to assign the correct power to radiator, is displayed by selecting digit "6" present on display left side (vertical scale from 1 to 7). The display shows radiator nominal voltage in W.

The correct setting of this value is necessary to display consumption, as indicated in paragraph 4.4.

This setting can be modified through the "+" key to increase and through the "-" key to decrease.

A short press on "OK" will confirm and store the adjustment.

If the value is "0000" (default value) no consumption will be displayed.



4.5.7 CALENDAR FUNCTION

The indication of this selection, allowing to activate or deactivate the calendar and thus to automatically update the daylight saving time mode, is displayed by selecting digit "7" present on display left side (vertical scale from 1 to 7).

Function is activated and deactivated by pressing repeatedly key "+".

When the function is active the calendar pictogram is lit on the display.

A short press on "OK" will confirm and store the adjustment



Note: A subsequent pressure of the "Prog" key allows quitting the programming mode and going back to the previous mode.

4.5.8 STARTING PARAMETER RESETING

This function can be accessed by pressing "mode" and "+" keys at the same time for more than 5 seconds.

This operation is used to re-initialize the following parameters to their default values:

- Comfort set-point to 19°C.
- eco reduction to 3.5°C, hence 15.5°C.
- freeze protection set-point to 7°C.
- window acknowledgement deactivated.

5. RADIATOR CLEANING

For your safety, before any cleaning operation, disconnect power supply.

Cleaning operations must be carried out with radiator off and cold.

Do not use abrasive or corrosive products to clean the heating body. Use, for instance, soapy water and then dry the body using a soft cloth.

To clean plastic components, controls and humidifier, use only a dry cloth and avoid contact with chemicals or alcohol.

6. FAILURES

In case of failure do not use the appliance, disconnect it from power supply and for the repair address only to a technician approved and authorised to operate on this product.

This appliance is filled with a precise quantity of mineral oil. Reparations that require to open the fluid tank must be carried out by the manufacturer, its agents or the customer service. The manufacturer shall not be held responsible for damage to people, animals, or property due to tampering with or improper intervention to the radiator.

TABLE OF TECHNICAL FAULTS:

PROBLEM	RADIATOR STATUS	PROBABLE CAUSE	SOLUTION
Radiator is not working properly	3 dashes (- - -) are displayed	Temperature detection sensor is faulty	Contact a Service Centre
The radiator does not heat up	Display OFF	No power supply	Check the presence of mains voltage
The radiator does not heat up	Display in any mode	Resistor or electronics malfunction	Contact the technical service to have it repaired
The temperature detected by the radiator does not match with the one detected by an ambient thermostat	Radiator in comfort or programming mode	The radiator and the thermostat are positioned in different places of the room and detect different temperatures	Correct the temperature read by the radiator as specified in paragraph 4.5.4
The radiator does not ensure to reach the desired temperature in the room	Properly working	The radiator power is insufficient to meet the need of the room	Replace the radiator with a more powerful one or add another radiator.
	Properly working	The radiator position affects excessively the temperature detected in the room	Relocate the radiator
	The symbol  is not displayed and the radiator is cold or lukewarm.	The temperature set is lower than the temperature of the room.	Increase the temperature set.
Window opening detection does not work properly	The symbol  is not displayed	"Window opening" function is not enabled.	Enable the function as per the specific paragraph of this instruction manual
	The display shows the symbol  steady on	Lowering of temperature in the rooms has not been sudden or the position of the radiator does not allow the probe to correctly detect temperature sudden changes.	Relocate the radiator.
	The display shows the symbol  flashing, but no window has been opened	The radiator is affected by cold air drafts	Relocate the radiator or, should this not be possible, disable the function
Oil leakage	Any	Radiator connectors are not correctly closed	Contact the technical service to have it repaired
The wall behind the radiator gets dirty	Any	During heating, the radiator carbonizes the dust present inside air	Clean radiator at regular intervals, use washable wall paints. Do not smoke in the room.
Expansion noises in switching on and/or off phase	Any	Radiator supporting brackets are not centred and scrape on the radiator.	Position brackets properly.

7. WARRANTY

The body in aluminium alloy is warranted against manufacturing defects for 5 years from date of purchase. Electric and electronic components are warranted for 2 years from the date of purchase of the radiator. To validate your warranty, it is necessary to produce a document attesting the date of purchase (tax receipt, invoice, sales receipt).



For the validity of the warranty, the installation must comply with regulations and laws in force and must be carried out in a craftsmanlike manner.

Warranty does not cover components subject to standard wear or consumption, as well as damages resulting from transport or assembly.

8. ENVIRONMENT



The symbol applied to the appliance and shown here indicates that the product must be disposed of in separate collection for electrical equipment.

At the end of the life of the appliance, it cannot be eliminated as solid urban waste, but it must be sent to the collection centre of your area or returned to the dealer when buying a new appliance of the same type and destined to the same purpose.

Separate collection of electric and electronic equipment is part of a policy on safeguarding, protecting and improving the quality of the environment and to avoid potential adverse effects on human health due to the presence of hazardous substances as classified by the European directives.

Warning! Incorrect disposal of the appliance involves sanctions.

When the radiator is eliminated, respect standards and laws in force for oil disposal.

9. CHARACTERISTICS OF THE APPLIANCE

IP24: appliance protected against jets of water



Class II: double insulation

The radiator is composed of a body in die-cast aluminium alloy EN AB 46100 and contains a fluid for internal heat transmission composed of highly refined mineral oil with high coefficient of heat transmission, featuring high resistance to oxygenation to aid a long duration and low viscosity. The internal fluid is heated through a resistor with class II insulation, resistor equipped with control thermostat and safety thermal cut-off. Control and adjustment electronics ensure high accuracy in ambient temperature setting.

N.B.: all the Fondital radiators are produced with an identification label that ensures traceability. Such label certifies compliance with EEC directives and with electrical regulations.

Colour of the radiator: RAL 9010.

Input voltage	230V AC 50 Hz	
Power of the resistor	Mod. 3110	1000 W
	Mod. 3115	1500 W
	Mod. 3118	1800 W
	Mod. 5807	700 W
	Mod. 5810	1000 W
	Mod. 5812	1200 W
	Mod. 5815	1500 W
	Mod. 5818	1800 W
	Mod. 5820	2000 W
Insulation class	Classe II	
Water protection class	IP24	
Working temperature	0 ÷ 50 °C	
Storage temperature	-10 ÷ 70 °C	
Working relative humidity	0 ÷ 85 % non-condensing	
Type of setting	Integral proportion	
Temperature setting	With keys	
Temperature range	7°C ÷ 30°C	
Consumption in standby mode	< 0,5 W	
Fil pilote (only for France)	6 ranks	

10. INFORMATION ACCORDING TO EU REGULATION 2015/1188 OF 28 APRIL 2015

Model identifiers: Comore 3110 / Comore 3115 / Comore 3118					
Item	Symbol	Value	Unit	Item	Unit
Heat output				Type of heat output/room temperature control	
Nominal heat output	P _{nom}	1,0/1,5/1,8	kW	single stage heat output and no room temperature control	No
Minimum heat output (indicative)	P _{min}	n.d.	kW	Two or more manual stages, no room temperature control	No
Maximum continuous heat output	P _{max,c}	1,0/1,5/1,8	kW	with mechanic thermostat room temperature control	No
Auxiliary electricity consumption				with electronic room temperature control	No
At nominal heat output	e _{lmax}	1,0/1,5/1,8	kW	electronic room temperature control plus day timer	No
At minimum heat output	e _{lmin}	n.d.	kW	electronic room temperature control plus week timer	Yes
In standby mode	e _{lSB}	< 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	No
				with working time limitation	No
				with black bulb sensor	No

Model identifiers: Comore 5807 / Comore 5810 / Comore 5812 / Comore 5815 / Comore 5818 / Comore 5820					
Item	Symbol	Value	Unit	Item	Unit
Heat output				Type of heat output/room temperature control	
Nominal heat output	P _{nom}	0,7 / 1,0 / 1,2 / 1,5 / 1,8 / 2,0	kW	single stage heat output and no room temperature control	No
Minimum heat output (indicative)	P _{min}	n.d.	kW	Two or more manual stages, no room temperature control	No
Maximum continuous heat output	P _{max,c}	0,7 / 1,0 / 1,2 / 1,5 / 1,8 / 2,0	kW	with mechanic thermostat room temperature control	No
Auxiliary electricity consumption				with electronic room temperature control	No
At nominal heat output	e _{lmax}	0,7 / 1,0 / 1,2 / 1,5 / 1,8 / 2,0	kW	electronic room temperature control plus day timer	No
At minimum heat output	e _{lmin}	n.d.	kW	electronic room temperature control plus week timer	Yes
In standby mode	e _{lSB}	< 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	No
				with working time limitation	No
				with black bulb sensor	No
Contacts	Fondital Spa Via Cerreto. 40 25079 Vobarno (Brescia)				

DECLARATION OF CONFORMITY

We hereby declare for

FONDITAL S.p.A.

with registered office in

Via Cerreto 40, 25079 Vobarno (BS) Italia

that

ELECTRICAL RADIATORS FOR HEATING PURPOSE

Model

Comore__

produced by **FONDITAL S.p.A.**

are manufactured according to European directives and European regulations:

- Directive 2014/35/CE : "Low Voltage"
- Directive 2014/39/CE: "Electromagnetic Compatibility"
- Directive 2012/19/CE: "WEEE"
- Directive 2009/125/EC: "Eco-design"
- Directive 2011/65/CE: "ROHS"
- Regulation (UE) 2015/1188

and in accordance with rules:

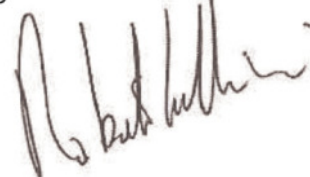
- EN 60335-1: 2012 + A11:2014
- EN 60335-2-30:2009 + A11:2012
- EN 62233: 2008
- EN 55014-1: 2006 + A1:2009 + A2:2011
- EN 55014-2: 2015
- EN 61000-3-2:2014
- EN 61000-3-3:2013

FONDITAL S.p.A.

In the Direction's stead

The manager of Technical Office

eng. Roberto Cavallini



Vobarno, 31/10/2017