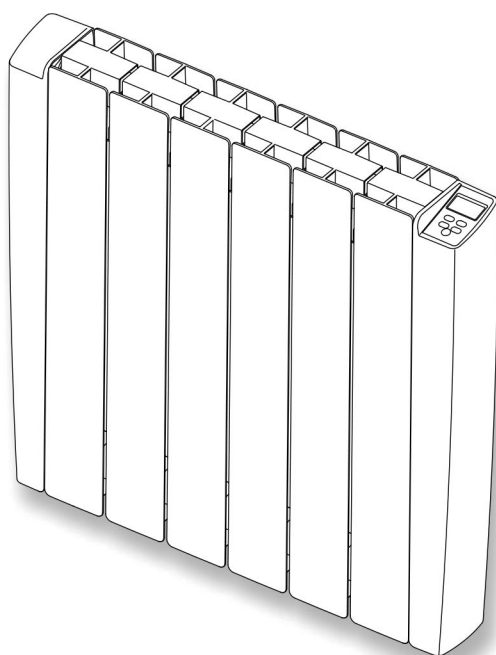


De'Longhi Alu Installation and User Instructions



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PT
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EN
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IT
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FIG. / ABB. 1

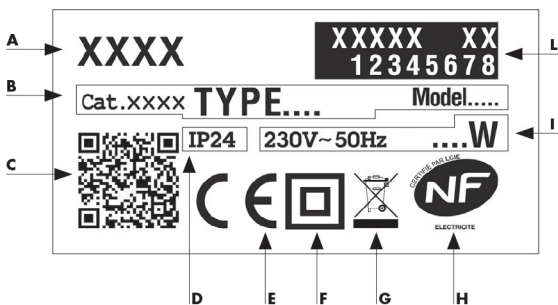


FIG. / ABB. 2

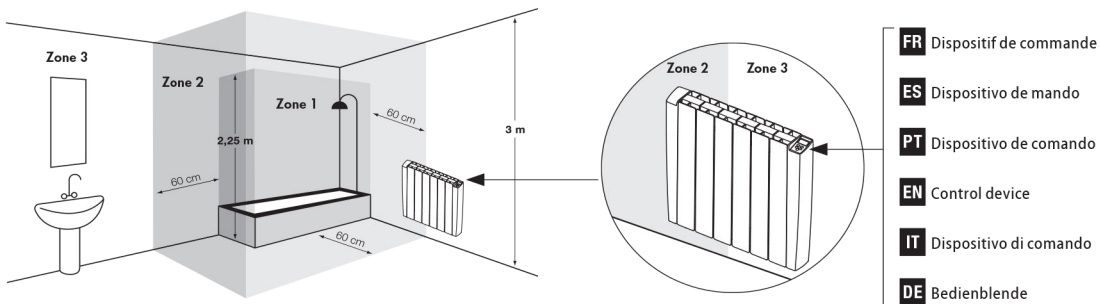


FIG. / ABB. 3

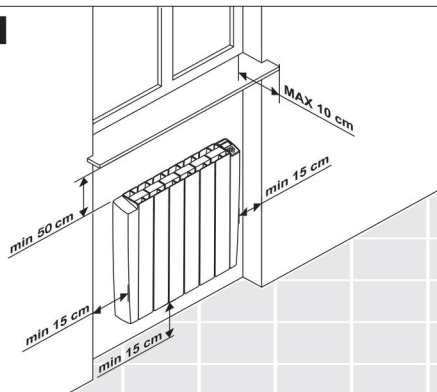


FIG. / ABB. 4

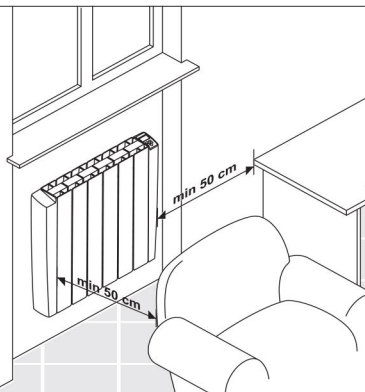


FIG. / ABB. 5

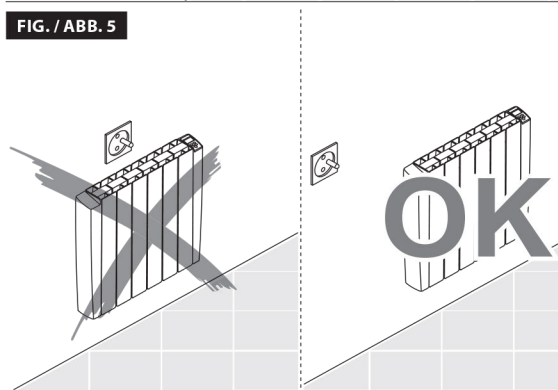


FIG. / ABB. 6

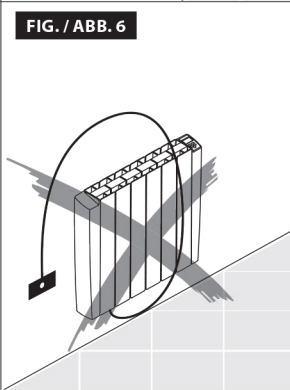
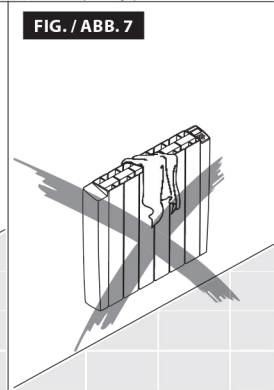
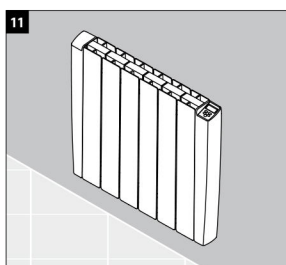
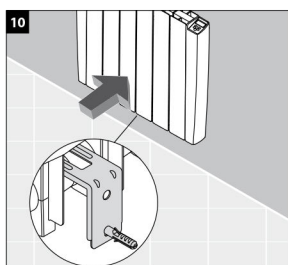
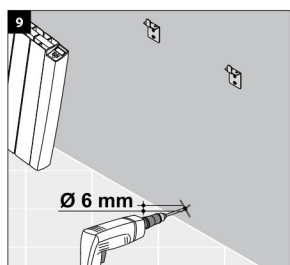
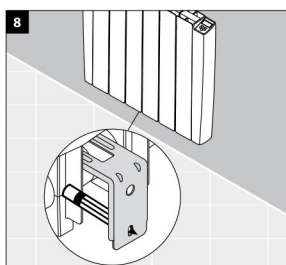
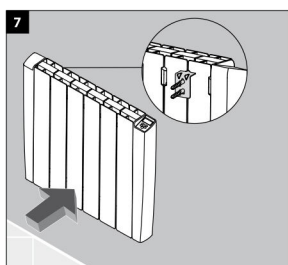
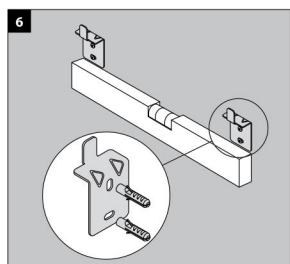
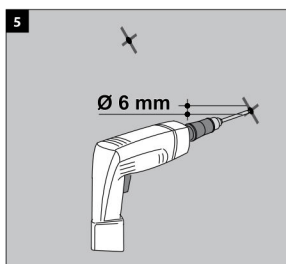
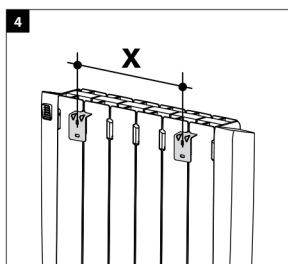
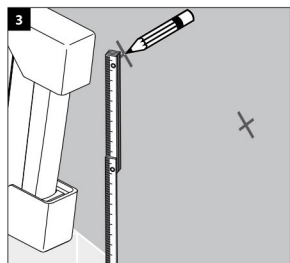
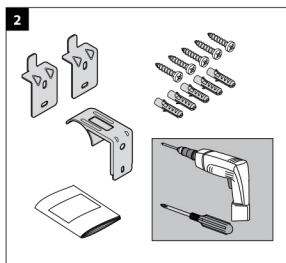
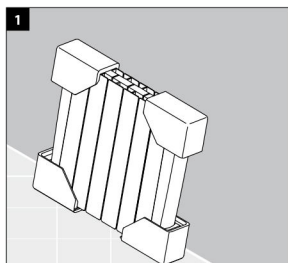


FIG. / ABB. 7





SYMBOLS USED IN THE MANUAL



IMPORTANT!
DANGER FOR THE SAFETY OF PERSONS, PETS AND THINGS.



IMPORTANT!
DANGER OF ELECTRIC SHOCK.



IMPORTANT!
DANGER OF DAMAGE TO THE APPLIANCE.



IMPORTANT!
HIGH TEMPERATURES. RISK OF BURNS.



TIPS FOR EFFICIENT OPERATION.



DO NOT COVER THE APPLIANCE!

WARNING



CAUTION: Some parts of this product can become very hot and cause burns. Particular attention has to be given where children and vulnerable people are present.



Children of less than 3 years should be kept away unless continuously supervised.

Children aged from 3 years and less than 8 years shall only switch on/off the appliance provided that it has been placed or installed in its intended normal operating position and they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.

Children between 3 and 8 years old must not disconnect, regulate and clean the appliance or perform user maintenance.

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.



Never install the appliance:

- immediately below or in front of a power socket or a junction box (Fig. 5)
- in contact with the wall or floor
- near curtains, flammable or combustible materials or pressure vessels.



If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid hazard. Never use the appliance if the electronic controls are damaged.



Make sure the fixed power line is fitted with a disconnecting switch allowing the appliance to be disconnected completely from the household mains, included the Pilot Wire, when present, in accordance with the wiring rules.



WARNING: to avoid hazardous overheating, never under any circumstances cover the appliance (Fig.7). Never obstruct the air flow by inserting material into the appliance.




The appliance contains a precise quantity of oil. All repairs requiring the appliance to be opened must be performed by a qualified professional. In the event of oil leaks, contact your local dealer or a qualified professional.



To dispose of the appliance, comply with current legislation for the disposal of oil and management of waste.

1. SPECIFICATIONS OF THE APPLIANCE

Voltage: 230 V ~ 50 Hz

Insulation class: II 

Protection class: IP24

Power [W]	Length [cm]	Height [cm]	Weight [kg]	Rated current [A]
1000	60	58	13	4,5
1500	84	58	19	6,5
1800	100	58	23	8

Table 1



The technical specifications of the appliance are indicated on the rating plate on the side of the radiator (Fig. 1).

A Brand/Manufacturer	F Double isolation
B Model, type, category	G Disposal procedures
C Bidimensional Code (QR)	H Quality marks
D Protection class	I Voltage and Power
E CE marking	L Serial number

2. GENERAL INFORMATION



Unpack the appliance carefully and rest it on the polystyrene corner pieces or a carpet.

The package contains:

- the appliance
- remote control (if provided) with two batteries and container for wall mounting
- mounting kit
- instructions



Read all the instructions carefully before installation and use. Keep for future consultation.



Install and use the appliance as described in these instructions only.



These instructions do not cover all situations which might arise. Caution and common sense should be applied when installing, operating and servicing the appliance.



Modifying the characteristics of the appliance and removing any fixed component including the caps is expressly prohibited.

Make sure the appliance is complete and undamaged. If damaged, do not use the appliance, but contact your local dealer or a qualified professional.



The materials used for packaging can be recycled. You are therefore recommended to dispose of them in special differentiated waste collection containers.

3. POSITIONING AND INSTALLING



The appliance is designed to heat domestic rooms or similar. It must not be used for other purposes. The appliance must be used permanently mounted on a wall as described in the instructions. Install the appliance with the control panel at the top (Fig.2).



In bathrooms (with bath or shower), install the appliance outside zone 1 (Fig. 2).

The appliance must be installed in such a way that the electronic controls and other control devices may not be touched by someone in the bath or shower (Fig. 2). The electronic controls and other control devices must always be in zone 3. The appliance must not be connected with a plug.



For radiators with power plugs, see the warnings on page 56.



Respect the distances shown in figures 3,4.



Never install the appliance:

- immediately below or in front of a power socket or a junction box (Fig. 5)
- in contact with the wall or floor
- near curtains, flammable or combustible materials or pressure vessels.



Make sure there are no pipes or electric wires in the wall which could be damaged while mounting the appliance.



The appliance is equipped with a sensor which can detect an Open Window, if present above the radiator or within the room. For a proper operation, it is strongly recommended to comply to the installation directions reported in Ch. 4.3.1 before wall mounting.

3.1 WALL MOUNTING



Make sure the screws and anchors included in the mounting pack are suitable for the type of wall on which you are mounting the appliance. If in doubt, contact a qualified professional or your local dealer.




The installation template is on the back of the box. Open up the box completely and rest it against the wall. Follow the installation sequence shown on the folding leaf of the cover (Scheme 1), respecting the minimum distance between the bottom of the radiator and the floor (Fig. 3).


During installation, make sure the power cable is disconnected from the power line.




Make sure the power cable is not in any way come into contact with the surface of the appliance (Fig. 6).


3.2 ELECTRICAL CONNECTIONS

 You are recommended to have the appliance installed by a qualified professional.

 The appliance must be installed in compliance with national legislation regulating electrical equipment and installations.

When the appliance is installed, make sure the power is off and the mains switch is in the "O" position.

 The appliance requires a 230 V ~ 50 Hz power supply. Make sure the power line is appropriate for the data given in table 1.

 Make sure the fixed power line is fitted with a disconnecting switch allowing the appliance to be disconnected completely from the household mains, included the Pilot Wire, when present, in accordance with the wiring rules.


If the appliance is installed in a bathroom, the power line must be fitted with a 30 mA RCD (high sensitivity residual current protection device).

The power supply line and Pilot Wire control unit must be protected by the same RCD.

Permanently connected appliances must be connected using a connector block placed within a proper junction box.

When installing the appliance in damp rooms (kitchen, bathroom), the point of connection with the household mains must be at least 25 cm from the floor.

Respect the wiring diagram in figure 8 scrupulously.

 **If the Pilot Wire is not connected to the programming unit, it must be terminated and insulated. Under no circumstances should the Pilot Wire be connected to the earth.**

4. REGULATION AND OPERATION



The appliance is designed to heat rooms. Some parts of this product can become very hot and cause burns. Particular attention has to be given where children and vulnerable people are present.



Keep combustible or flammable materials or pressure vessels (e.g. spray cans, fire extinguishers) at least 50 cm from the appliance. Do not vaporise any type of substance on the surface of the appliance.



Never touch the appliance with wet or damp hands or feet. Do not wet the electronic control unit with water or other fluids. If this occurs, disconnect the appliance from the mains power supply and allow to dry completely.



When the appliance is installed at high altitude, the air will be hotter than the set temperature.



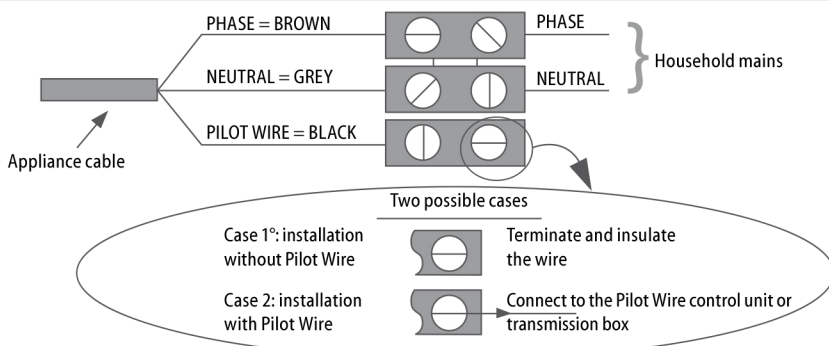
Possible traces of oil noted on the bottom of the radiator during mounting or the first times you turn the appliance on may be left from the fabrication process. Clean the part with proper precautions at intervals of a couple of days. If the problem reoccurs, follow the instructions in Chapter 7.



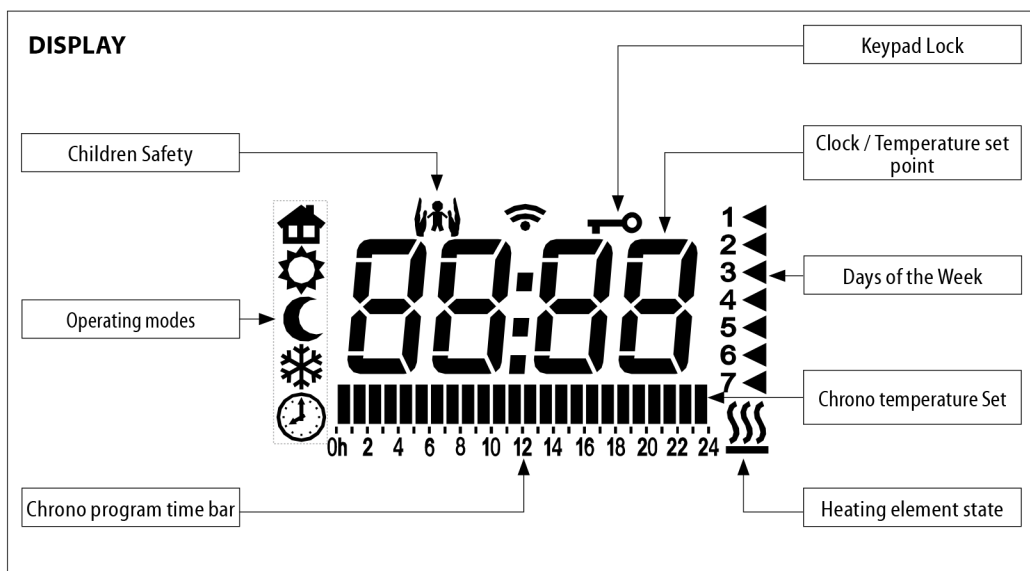
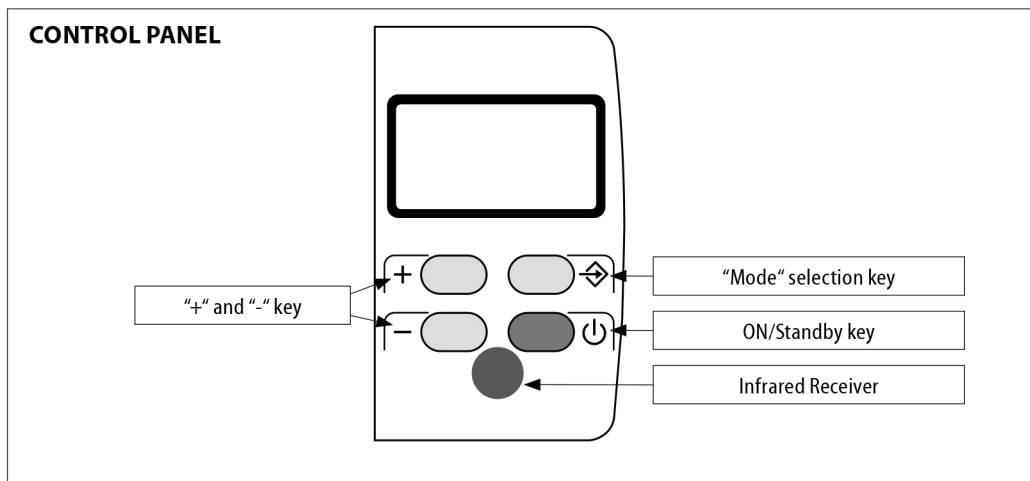
In cold conditions, the radiator may emit metallic sounds when turned on. This is due to the expansion of the materials.

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Fig. 8



USING THE RADIATOR FROM THE CONTROL PANEL:



Signal transmission from the remote control (if provided) to the radiator.

4.1 ON/STANDBY MODE

Stby

In "Standby" mode, is displayed: "Stby". All the operating modes are suspended ("Pilot Wire" included), but the appliance is powered and waiting for command reception.




To turn the appliance on or off, press the "Standby" button.






The radiator turns on in the previously selected operating mode and emits a sound.


In "Chrono" mode the display shows the time, in the other


modes the temperature setting is displayed. The entry into "Standby" mode is signalled by means of a double beep, the exit from "Standby" mode by means of a long beep.


4.2 OPERATING MODES


 The appliance provides 5 operating modes which allow the user to heat the environment in the most suitable way with respect to his needs. Press the "Mode" selection key to select the desired operating mode. An icon on the LCD will show the selected operating mode.


	Pilot Wire		Comfort
	Night/Eco		Anti-freeze
	Chrono		

 **PILOT WIRE**
The temperature depends on the "Pilot Wire" command.
All "Pilot Wire" commands are enabled.

 **COMFORT**
The "Comfort" temperature corresponds to the temperature desired by the user.
All "Pilot Wire" commands are disabled.

 **NIGHT/ECO**
The "Night/Eco" mode keeps a comfortable temperature with a reduced energy consumption.
All "Pilot Wire" commands are disabled.



 **ANTI-FREEZE**
In the "Anti-freeze" mode the temperature set point is fixed at 7 °C.
The appliance starts heating automatically when the room temperature drops below 7 °C.
All "Pilot Wire" commands are disabled.

 **CHRONO**
In "Chrono" mode, you can set different temperatures ("Comfort" and "Night/Eco") over a 24 hour period for each day of the week.
All "Pilot Wire" commands are disabled.


When the icon  is displayed on the LCD, the heating element is on.

4.2.1 PILOT WIRE

To activate the "Pilot Wire" mode:







 Press the "Mode" selection key until the icon  appears on the LCD.

Users can only set the "Comfort" temperature on the appliance.

 Select the desired temperature set point by using the "+" and "-" keys.





The home must be fitted with an automation system supporting this type of technology. In this case, correct transmission of the programming commands can be verified using the following diagram according to the mode set:


Mode	Comfort	Night/Eco (Comfort -3,5 °C)	Anti-freeze	Standby	Comfort -1 °C	Comfort -2 °C
Signal to be transmitted						
Voltage between Pilot Wire and neutral wires	0 volt	230 volt	115 volt Negative	115 volt Positive	230 volt For an interval of 3 s	230 volt For an interval of 7 s


The temperature displayed is always the "Comfort" temperature, regardless of the currently selected "Pilot Wire" mode. If the Pilot Wire programmer is not connected, "Comfort" operating mode is selected automatically.

4.2.2 COMFORT

The "Comfort" temperature set point is the temperature desired by the user.

 Press the "Mode" selection key until the icon  appears on the LCD.


 Select the desired temperature set point by using the "+" and "-" keys.

 The temperature can be chosen in the interval between 7 °C and 32 °C.

4.2.3 NIGHT/ECO

In "Night/Eco" mode the temperature set point must not be higher than "Comfort" temperature set point. If the "Comfort" temperature is set below the "Night/Eco" temperature, the latter will be automatically adjusted accordingly.



Press the "Mode" selection key until the icon  appears on the LCD.



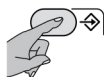
Select the desired temperature set point by using the "+" and "-" keys.




The use of this operating mode is recommended in nighttime hours and in case no people is in the room for more than 2 hours.

4.2.4 ANTI-FREEZE

In "Anti-freeze" mode the temperature set point is fixed at 7 °C. The appliance starts heating when room temperature goes under 7 °C and with low energy consumption it prevents the room temperature to reach the freezing point.



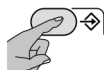
Press the "Mode" selection key until the icon  appears on the LCD.


This operating mode is recommended when no people is in the room for more than 1 day.

4.2.5 CHRONO

In "Chrono" mode, you can set different temperatures ("Comfort" and "Night/Eco") over a 24 hour period for each day of the week.

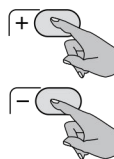
SETTING THE CURRENT DAY AND TIME



Press the "Mode" selection key until the icon  appears on the LCD.

1
2
3
4
5
6
7

Then press the "Mode" button again and hold it down until the triangle indicating the day flashes.



Adjust the day of the week by using the "+" and "-" keys (1=MON, 2=TUE,...7=SUN), then confirm by pressing the "Mode" selection key.

20:30

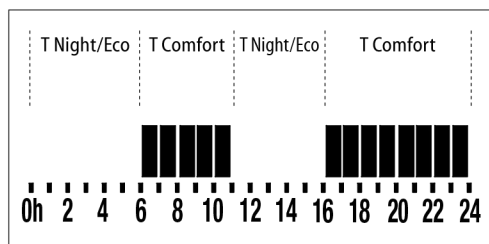
The hour starts flashing. In the same way, adjust the hour by using the "+" and "-" keys and confirm with "Mode" selection key.

20:30

Repeat the same procedure for the minutes.

SETTING THE PROGRAM

Now an hourly sequence can be set for each day. Start with the first day. Choose by means of the "+" and "-" buttons, for each hour, between the "Comfort" temperature (full bar) and the "Night/Eco" temperature (empty bar).



Press the "Mode" key to confirm and repeat the same procedure for each day of the week.

The weekly program is now set, the appliance emits an acoustic signal for confirmation.

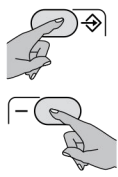
4.3 FUNCTIONS

The appliance has a number of special functions to customise and optimise use.

4.3.1 OPEN WINDOW

The "Open Window" function automatically detects the opening of a window which is present in the proximity of the radiator (for example during the housework) and it goes in "Anti-freeze" mode, in order to prevent a useless heating and save energy. The function can also detect the closing of a window and reset the previous operating condition.

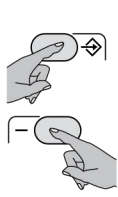
When switching the appliance on, the function is already active, ready to detect any Open Windows.



To deactivate the "Open Window" function, press the "Mode" and "-" buttons together on the control panel, holding them down until the display shows "FOFF". To reactivate the function, repeat the operation, the display will show "F On".

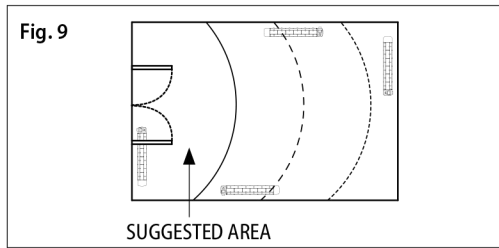


When an Open Window is detected, the display on the side control panel shows "OPEn".



To cancel the "Open Window" action, the function can be deactivated by pressing "Mode" and "-" (permanent deactivation) or pressing the "Standby" button twice. If cancelling the "Open Window" action using the "Standby" button, when next switching the appliance on, it will operate in the previously selected mode, and the function will remain active and ready to detect another Open Window.

For the optimal operation of the function, it is recommended to install the appliance near a window (Fig. 9).



The appliance's reaction to the window openings and closings depends on multiple factors, among which the chosen temperature set point, the external temperature, the ventilation degree of the room, the radiator position in the room, presence of other heating sources.



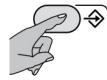
The "Open Window" function cannot be activated or deactivated in "Standby" mode.



If the appliance detects an Open Window, all the operating modes and the "Overdrive (2h)" function can be selected, however will not be active until the window is closed. The "Child Safety" and "Keypad Lock" functions remain active and can be activated and deactivated even when the appliance has detected an Open Window.

4.3.2 OVERDRIVE (2h)

The "Overdrive (2h)" can be used to heat the room quickly.



To activate the function, press the "Mode" button until the "2h" symbol is displayed in place of the hour/temperature.

The appliance heats at the maximum power for 2 hours, independently from the temperature setting. To deactivate "Overdrive (2h)" function at any time, press the "Mode" button again.

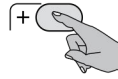
The "Overdrive (2h)" is set to stop automatically after 2 hours anyways.




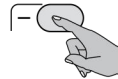
The function "Children Safety" limits the heating power even when the function "Overdrive (2h)" is active.

4.3.3 CHILDREN SAFETY

When the "Children Safety" function is activated, the surface temperature of the appliance is lower than in normal operation in the active mode ("Comfort", "Night/Eco",...) to avoid the risk of burns caused by brief accidental contact.



To activate the function, press the "+" and "-" buttons together and hold them both down until the icon  appears on the display.



To deactivate the function, repeat the same operation.

"Children Safety" can be activated in all operating modes, including "Overdrive (2h)". The function cannot be activated when the appliance is in "Standby".

IMPORTANT:

When this function is active, the appliance heats at reduced power and therefore the room takes longer to warm up.

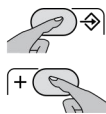
Even when this function active, children should still be supervised to make sure they are not in danger.


Always avoid prolonged contact between the appliance and the body.

If the appliance is already operating or is still hot after recent use and "Children Safety" is activated, it takes at least two hours for the temperature to drop to the lower value and the function to be operational.

4.3.4 KEYPAD LOCK

It is possible to lock the keypad to prevent accidental modifications.



To activate the function, press the "Mode" and "+" buttons together and hold them both down until the icon  appears on the display.

To unlock the keypad, press the same two buttons together as before.

The "Keypad Lock" icon will no longer appear on the LCD.



IMPORTANT: The "Keypad Lock" function does not inhibit the "Standby" button. This is therefore always active, even when the "Keypad Lock" function is enabled.

OPERATION WITH REMOTE CONTROL UNIT (IF PROVIDED)

4.4 INFRARED REMOTE CONTROL

The radiator can also be programmed with the infrared remote control, included in the packaging.

The remote control communicates with the appliance by infrared rays. For efficient communication, point the remote control at the receiver on the appliance (Fig. 10).

The distance between the remote control and the receiver must not be more than 5 m.

Always handle the remote control with great care and place it within the special plastic container for wall mounting, included in the packaging.

Do not drop the remote control nor leave it exposed to direct sunlight. Do not spray water or other liquids onto the remote control. Do not rest the remote control on the top of the radiator or near other intense sources of heat.

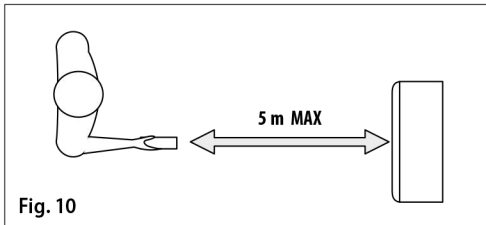


Fig. 10

Inserting or replacing the batteries:

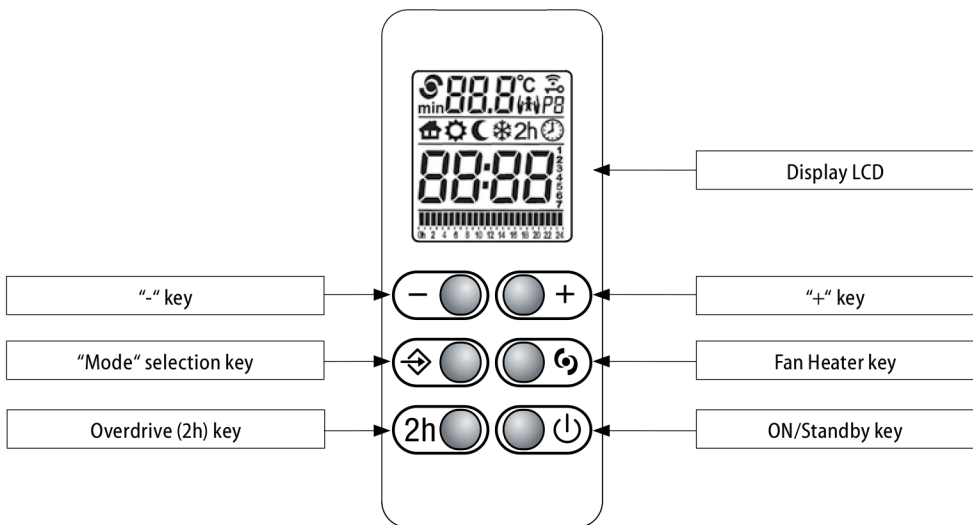
- Remove the cover on the back of the remote control.
- Insert two "AAA" LR03 1.5 V alkaline batteries in the correct position.
- Put the cover back.

When replacing the batteries or disposing of the remote control, the batteries must be removed and disposed of in compliance with current legislation as they are harmful to the environment.

Characteristics:

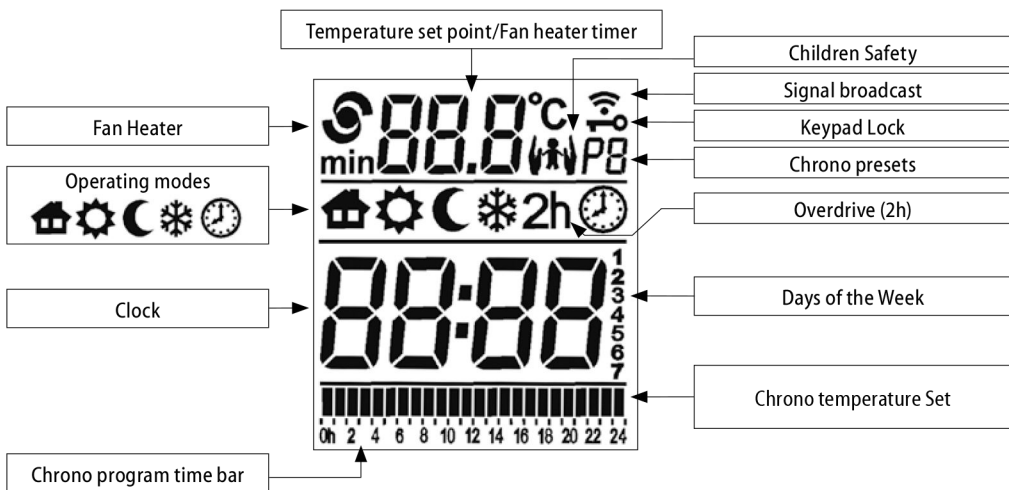
Size	100 x 42 x 20,5 mm
Power supply	"AAA" LR03 1.5 V alkaline batteries

REMOTE CONTROL



EN

DISPLAY



Signal transmission from the remote control (if provided) to the radiator.

TURNING ON FOR THE FIRST TIME

After inserting the batteries, set the day of the week and time.

1
2
3
4
5
6
7

Adjust the day of the week by using the “+” and “-” keys (1=MON, 2=TUE, ...7=SUN), then confirm by pressing the “Mode” selection key.

20:30

The hour starts flashing. In the same way, adjust the hour by using the “+” and “-” keys and confirm with “Mode” selection key.

20:30

Repeat the same procedure for the minutes.

ON/STANDBY MODE

20:30

In “Standby” mode the current time and the day of the week appear on the display. All the operating modes are suspended (“Pilot Wire” included), but the appliance is powered and waiting for command reception.

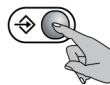


To turn the appliance on or off, press the “Standby” button.

The radiator turns on in the previously selected operating mode and emits a sound. When first using the remote after replacing the batteries, the “Comfort” mode is selected. The entry into “Standby” mode is signalled by means of a double beep, the exit from “Standby” mode by means of a long beep.






IMPORTANT: After using the “Standby” button on the side control panel, the appliance ignores all orders transmitted by the remote control other than “Standby” and emits three beeps to indicate the error.

OPERATING MODES



The appliance provides 5 operating modes which allow the user to heat the environment in the most suitable way with respect to his needs.

Press the “Mode” selection key to select the desired operating mode. An icon on the LCD will show the selected operating mode.

	Pilot Wire		Comfort
	Night/Eco		Anti-freeze
	Chrono		

“Chrono” mode offers various functions (preset programmes) in addition to those accessible from the control panel. All other modes have the same characteristics.



IMPORTANT!

The “Overdrive (2h)” and “Fan Heater” functions are obtained by pressing the corresponding buttons on the remote control.

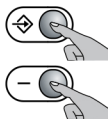
The “Fan Heater” function is available only for the towel rails with integrated fan heater.


It is not available on this appliance. If the “Fan Heater” command is given on the remote control, the appliance confirms the reception of the signal and remains in the previously selected operating mode.

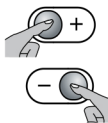
CHRONO

In “Chrono” mode, you can select one of the three preset chrono-thermostat programs or the custom program. The latter lets you set various temperatures (“Comfort” and “Night/Eco”) over a 24 hour period for each day of the week.

CHOICE OF PROGRAM



Press the “Mode” button until the icon  is displayed. Then press the “Mode” and “-” buttons together and hold them both down for at least 3 seconds.



The program code (P1, P2, P3 and P4) flashes. Press the “+” and “-” buttons to set the program. Press the “Mode” button to confirm.

PROGRAM P1	HOURS	MODE
FROM MONDAY TO FRIDAY	0 - 6	Night/Eco
	6 - 9	Comfort
	9 - 16	Night/Eco
	16 - 23	Comfort
	23 - 0	Night/Eco
SATURDAY AND SUNDAY	0 - 7	Night/Eco
	7 - 23	Comfort
	23 - 0	Night/Eco

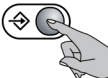

PROGRAM P2	HOURS	MODE
FROM MONDAY TO SUNDAY	0 - 7	Night/Eco
	7 - 23	Comfort
	23 - 0	Night/Eco

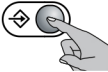
PROGRAM P3	HOURS	MODE
FROM MONDAY TO FRIDAY	0 - 6	Night/Eco
	6 - 9	Comfort
	9 - 13	Night/Eco
	13 - 23	Comfort
	23 - 0	Night/Eco
SATURDAY AND SUNDAY	0 - 7	Night/Eco
	7 - 23	Comfort
	23 - 0	Night/Eco

PROGRAM P4 - CUSTOM

With the "P4" program, you can set different temperatures ("Comfort" and "Night/Eco") over a 24 hour period for each day of the week.


SETTING THE CURRENT DAY AND TIME


 Before setting the custom programme, make sure the time and day of the week are set correctly. If this is not the case, press the "Mode" button until the icon  is displayed.

 Then press the "Mode" button again and hold it down until the number indicating the day flashes.

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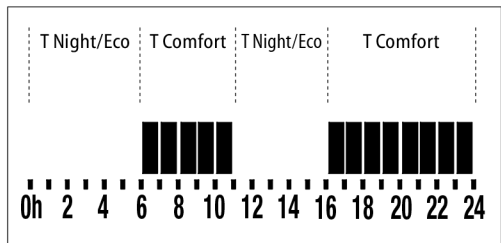
Adjust the day of the week by using the "+" and "-" keys (1=MON, 2=TUE,...7=SUN), then confirm by pressing the "Mode" selection key.

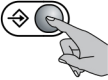
 The hour starts flashing. In the same way, adjust the hour by using the "+" and "-" keys and confirm with "Mode" selection key.

 Repeat the same procedure for the minutes.

SETTING THE PROGRAM

Now an hourly sequence can be set for each day. Start with the first day. Choose by means of the "+" and "-" buttons, for each hour, between the "Comfort" temperature (full bar) and the "Night/Eco" temperature (empty bar).



 Press the "Mode" key to confirm and repeat the same procedure for each day of the week. The weekly program is now set, the appliance emits an acoustic signal for confirmation.

FUNCTIONS


The appliance has a number of special functions to customise and optimise use.

OPEN WINDOW

The "Open Window" function cannot be activated or deactivated on the remote control (see Ch. 4.3.1).

OVERDRIVE (2h)

The "Overdrive (2h)" can be used to heat the room quickly.

 Press the "2h" button to start the "Overdrive (2h)". The function cannot be activated when the appliance is in "Standby".

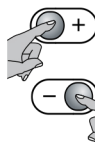
The temperature set point disappears from the display of the remote control.


The appliance heats at the maximum power for 2 hours, independently from the temperature setting.

To deactivate the "Overdrive (2h)" function at any time, press the "2h" button again, the "Mode" button or the "Standby" button.

The "Overdrive (2h)" is set to stop automatically after 2 hours anyway.

CHILDREN SAFETY



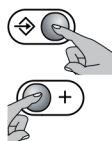
To activate the function, press the “+” and “-” buttons together and hold them both down until the icon  appears on the display.


To deactivate the function, repeat the same operation.

“Children Safety” can be activated in all operating modes, including “Overdrive (2h)”. The function cannot be activated when the appliance is in “Standby”.

KEYPAD LOCK

It is possible to lock the remote control keypad to avoid accidental modifications.



To activate the function, press the “Mode” and “+” buttons together and hold them both down until the icon  appears on the display.

To unlock the keypad, press the same two buttons together as before.

The “Keypad Lock” icon will no longer appear on the LCD.



IMPORTANT:

The “Keypad Lock” function does not inhibit the “Standby” button. This is therefore always active, even when the “Keypad Lock” function is enabled.

FAN HEATER

The “Fan Heater” function is only available on the radiators equipped with fan heater.

It is not available on this product.

If the “Fan Heater” is pressed, the appliance confirms the command reception but it does not modify its current state.



ATTENTION:

If the batteries are flat, the “batt” warning appears on the display of the remote control.

IMPORTANT: In case of power down due to a black-out, all the current settings are kept in memory for about 1 hour and a half. At recovery from power down after 1 hour and a half, the appliance goes to the previously selected operating

mode, losing the hour and day of the week.

If the power down happens when the radiator is in “Chrono” mode and the recovery takes place after 1 hour and a half, the appliance goes to “Comfort” mode with temperature set point 17 °C.

The user settings will be restored as soon as the first command (if provided) is sent from the RCU.

IMPORTANT: If the appliance remains without power while the “Overdrive (2h)” function is enabled, the time remaining until the end of the two hour period is retained for about one and a half hours. After this time, when power is restored the date and time settings are lost. The appliance exits the function and operates in the mode selected previously.

5. CLEANING



Before cleaning, make sure the appliance is turned off, cold and disconnected from the household mains.



To clean, just wipe with a soft damp cloth and neutral detergent. Never use abrasive or corrosive cleaning products or solvents.



To maintain efficiency, remove the dust from the surface and inside of the appliance at least twice a year using a vacuum cleaner.

6. MAINTENANCE



Should any technical problems arise, contact a qualified professional (recognised or authorised by the dealer or manufacturer) or your local dealer.




All operations on the appliance must be carried out by a qualified professional who before performing maintenance must make sure the appliance is turned off, cold and disconnected from the household mains.



The appliance contains a precise quantity of oil. All repairs requiring the appliance to be opened must be performed by a qualified professional. In the event of oil leaks, contact your local dealer or a qualified professional.

7. TROUBLESHOOTING

<p>The appliance does not heat up.</p>	<ul style="list-style-type: none"> • Check if the radiator is correctly connected to the mains power grid and powered. • Check the position of the mains switch of the installation. • Increase the temperature set point on the appliance regulator. • The safety device has tripped. Eliminate the cause of overheating  (for example, obstructions or covering). • Disconnect the appliance from the household mains for a few minutes to reset the electronic system. • If it still does not heat up, contact your local dealer or a qualified professional.
<p>The appliance heats continuously.</p>	<ul style="list-style-type: none"> • Reduce the temperature set point on the appliance regulator. • Make sure the "Overdrive (2h)" function has not been activated accidentally. • If it continues to heat, contact your local dealer or a qualified professional.
<p>The room stays cold.</p>	<ul style="list-style-type: none"> • Make sure the power of the appliance is adequate for the room to be heated. • If the appliance is being used for the first time, the room takes at least a couple of hours to heat to the required temperature (setting the radiator to maximum does not raise the temperature more quickly).
<p>Leaks of the liquid in the appliance.</p>	<ul style="list-style-type: none"> • Turn the appliance off and contact your local dealer. • Dry the leaks using gloves to protect from the chemical products. Keep children and pets away from the liquid.
<p>The appliance does not respond correctly to orders received from the Pilot Wire control unit.</p>	<ul style="list-style-type: none"> • Disconnect the appliance from the mains power supply (switch off the mains switch by moving it in the "O" position). Make sure the connection is correct (Fig.8) and the control unit is functioning correctly. • Contact a qualified professional.
<p>The appliance keeps on heating despite the window is open and the "Open Window" function is active.</p>	<ul style="list-style-type: none"> • It may be necessary to wait a few minutes before the function starts operating. • The difference between the outside and inside temperature may not be sufficient to activate the function. • Check that the positioning of the appliance comply with the requirements referred to in ch. 4.3.1 of this booklet. • Check that the space around the control box of the radiator is free from obstacles. • If the problem persists, contact your dealer or qualified personnel.
<p>The appliance does not resume heating after the window is closed and the "Open Window" function is active.</p>	<ul style="list-style-type: none"> • It may be necessary to wait a few minutes before before the sensor detects the window closing. • Check that the space around the control box of the radiator is free from obstacles. • Deactivate and activate the function again. • Should the response time of the function be too long, you can at any time stop the radiator manually. • If the problem persists, contact your dealer or qualified personnel.
<p>The display shows "ALL".</p>	<ul style="list-style-type: none"> • The temperature sensor is malfunctioning. Turn off the appliance and contact your dealer.

8. GUARANTEE



You are recommended to keep all parts of the packaging in case the appliance needs to be returned to the dealer. The appliance must arrive complete and undamaged in order to maintain the validity of the guarantee.

The manufacturer guarantees customers all the rights specified in European Directive 1999/44/EC and the consumer rights recognised by national legislation.

The guarantee specifically covers all non-conformities and production defects present at the moment of sale or becoming evident within two years from the date of purchase and gives the customer the right to free repair of the defective product or replacement should repair be impossible.

The above rights are invalidated in the following cases:

- defects caused by uses other than those specified in the instructions, which are an integral part of the sales contract;
- defects caused by accidental breakage, negligence or tampering.

Operations involved in installation, connection to the household mains and maintenance described in these instructions are not covered by the guarantee.

The Manufacturer declines all liability for damage or injury caused directly or indirectly to people, objects or pets as a result of the failure to apply these instructions, with particular reference to warnings regarding installation, start-up and use of the product.

To claim the above rights, the Customer must contact his/her dealer and present a valid proof of purchase issued by the seller, complete with date of purchase.

9. DISPOSAL



Make sure the power cable is disconnected from the power line before performing any operation. To remove the appliance, follow the procedure for fixing to the wall in reverse (Scheme 1).

To dispose of the appliance, comply with current legislation for the disposal of oil and management of waste.



Important information for correct disposal of the product in accordance with EC Directive 2012/19/EC.

At the end of its working life, the product must not be disposed of as urban waste.

It must be taken to a special local authority differentiated waste collection centre or to a dealer providing this service.



This appliance complies with European Directives:

until April 19th, 2016

2004/108/EC on electromagnetic compatibility

2006/95/EC on low voltage

2011/65/EU on restriction of the use of certain hazardous substances

from April 20th, 2016

2014/30/EU on electromagnetic compatibility

2014/35/EU on low voltage

2011/65/EU on restriction of the use of certain hazardous substances



ELECTRICAL CONNECTIONS READ CAREFULLY



Before plugging into the mains socket, make sure that the voltage of your mains power supply matches the V value reported on the rating plate of the appliance and that the socket and power line are appropriate for the required load (also reported on the rating plate).

Make sure that the power line is fitted with a disconnecting switch allowing the appliance to be disconnected completely from the household mains, in accordance with the regulation in force.

The power line must be fitted at least with a 30 mA RCD (high sensitivity residual current protection device).

All the references about the "Pilot Wire" (Fil Pilote) mode and related wiring present in the instruction manual must be ignored, since operating mode is not available on this product.