

Total Mirror

INSTRUCTION



This radiator complies to European directives:



2004/108/CE relating to electromagnetic compatibility
2006/95/CE relating to electrical equipment designed for use within certain voltage limits
2002/95/CE relating to the restriction of the use of certain hazardous substances in electrical and electronic equipment

Technical characteristics of the radiator:

- 230 V 50 Hz
- II Class
- International protection marking IP 35

The main characteristics are specified in the label attached on the back of the radiator.



XXXX: Brand

12345678: serial number

Category:... type...model

International protection marking...double insulation...voltage...power

CE icon...recyclable

2. General information:

Unpack the radiator and place it on the polystyrene protection or on a carpet

In the package you will find:



Total Mirror radiator



Remote control



Wall brackets kit



Instruction leaflet

Keep this instruction leaflet with care and read it carefully before using the radiator. You will so obtain the best performance with the highest safety.

Use the radiator following these instructions

These instructions don't ensure from all situations that can occur. Please use caution and savy during the installation and during the use of the radiator.

It's forbidden modifying the characteristics of the radiator or disconnecting any fix part of the product

Please check the radiator is not damaged

Don't use the radiator if it is damaged. In that case you have immediately to contact the distributor or a qualified person.

All materials used for the packaging are recyclable. Please follow these procedures for the correct disposal of the product

3. Installation:

Total mirror is an household device.

The radiator has to be secured to a wall as drawings show.

The radiator can be fitted horizontally or vertically. In case of vertical positioning, you need to keep the keyboard on the right while if you fit the radiator in a horizontal position, the keyboard has to be kept at the bottom.

If the radiator is installed in a bathroom it is necessary to respect the security zone. The radiator must be installed in such a way to prevent the controls from being touched by those who are in the shower or in the bathtub. The controls have to be in the zone number 3. (fig.1)

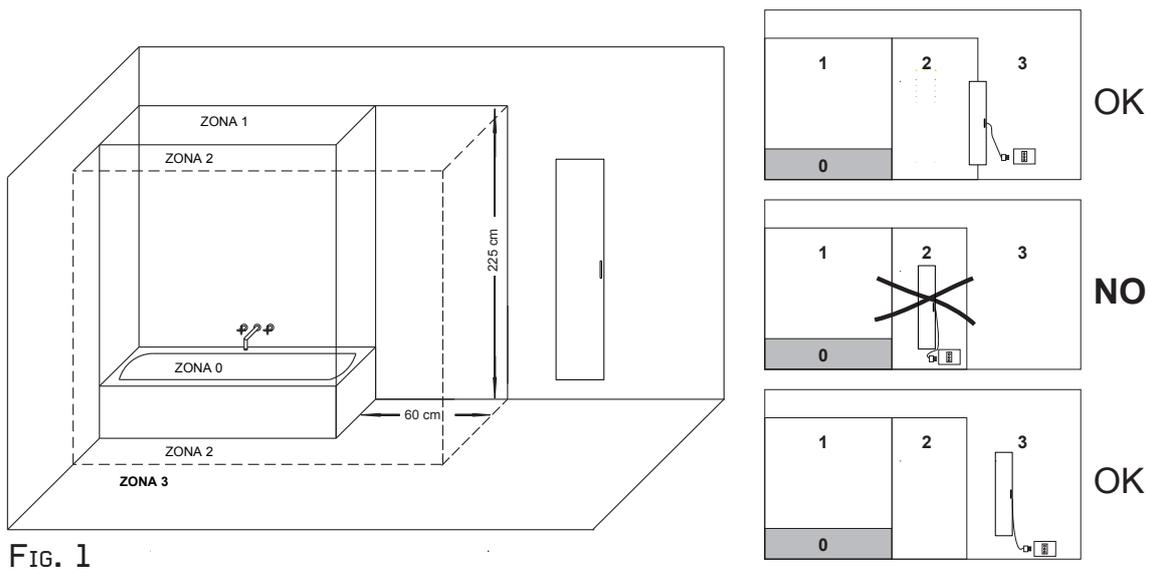
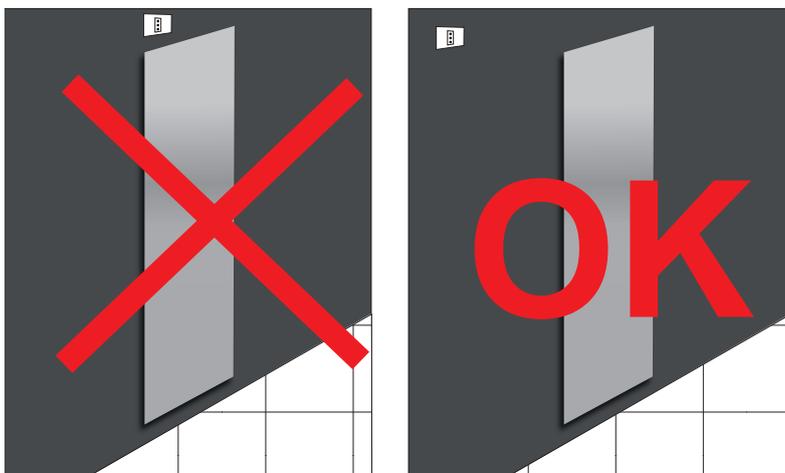


FIG. 1

DON'T INSTALL THE RADIATOR:

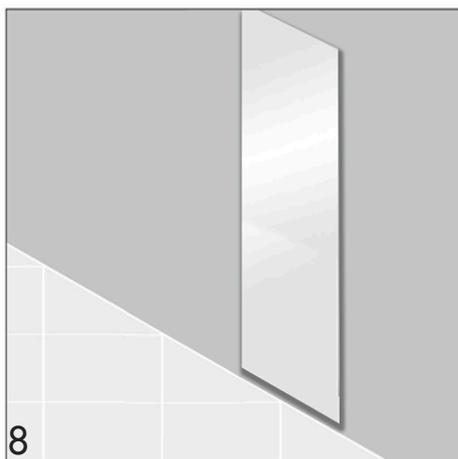
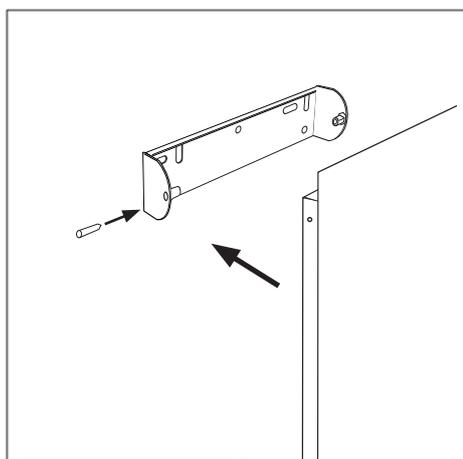
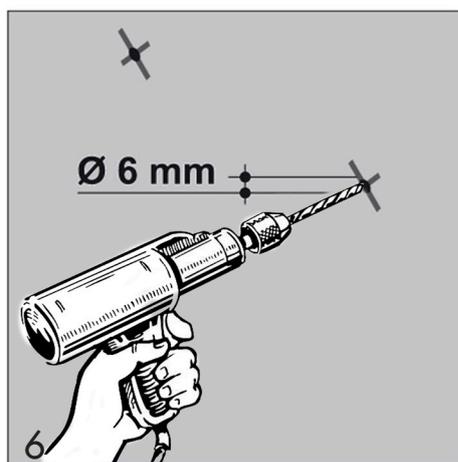
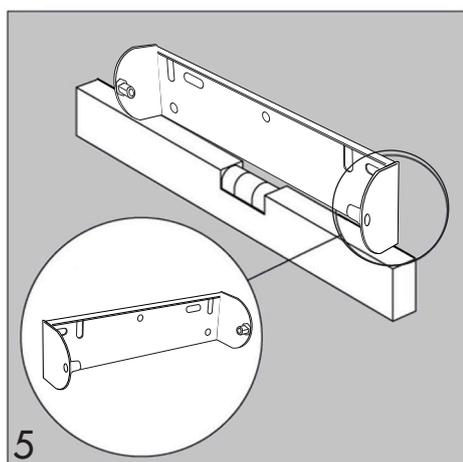
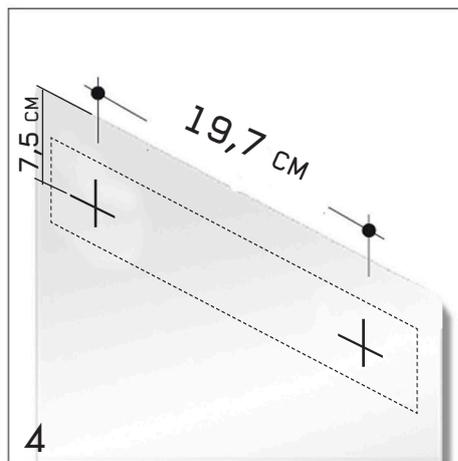
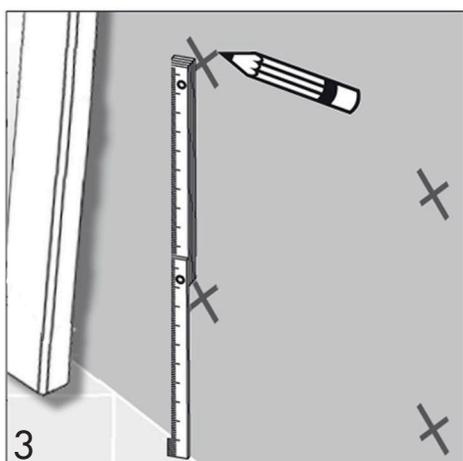
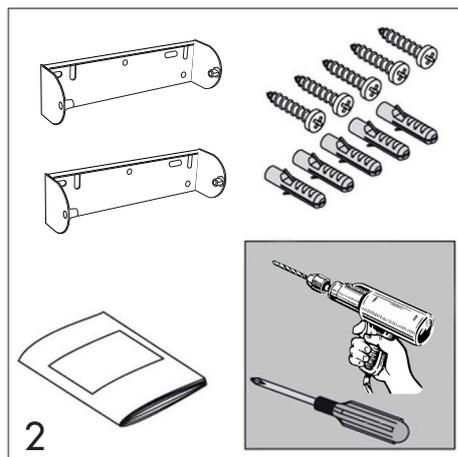
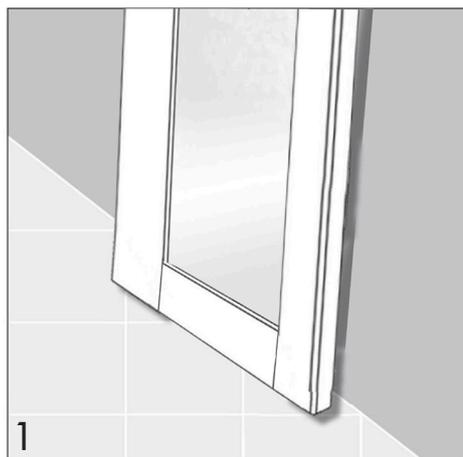
- Don't install the radiator directly under a socket (Fig.4)



- Don't install the radiator directly on the wall or placed on the floor (use always the provided wall brackets kit)
- Don't install the radiator nearness flammable materials, fuels or pressure vessels
- please verify that no electrical wires or tubes can be damaged during installation

3.1. Wall fastening

Make sure that the provided wall plugs and screws are suitable for the wall on which the radiator will be installed. If you have any doubts, please contact a qualified professional installer.



IMPORTANT:

Please block the radiator just with the screws of the two superior brackets. Leave the lower screws a little bit loosened to permit panel expanding during the heating

3.2. Electrical connection

We suggest to turn to qualified professional installer.

The electrical connection has to be made complying with national rules about electrical products

Before carrying out any connection tasks whatsoever, make sure that the device is not connected to electricity supply at the mains and the general switch is the position "O" off.

- Supply voltage: 230V 50Hz
- Check that the power line is suitable to the power of the radiator

The power line has to be provided by a bipolar circuit breaker with distance of 3 mm between contacts, including Fil-Pilote wire (used just for French market).

If Total Mirror is installed in a bathroom, the power grid has to be provided by a residual current device (30 mA)

In moist rooms it is very important that the electrical connection is a more than 25 cm from the floor.

Do not install the radiator if:

- Do not install the radiator if the mains cable is damaged

If the mains cable is damaged, the radiator has to be given back to the manufacturer or to an authorized technician

- Do not install the radiator if the device or the controls are damaged

WIRING DIAGRAMM:

Severely follow this wiring diagramm (Fig. 5)

France: with Fil-Pilote wire

Other countries: just 2 wires

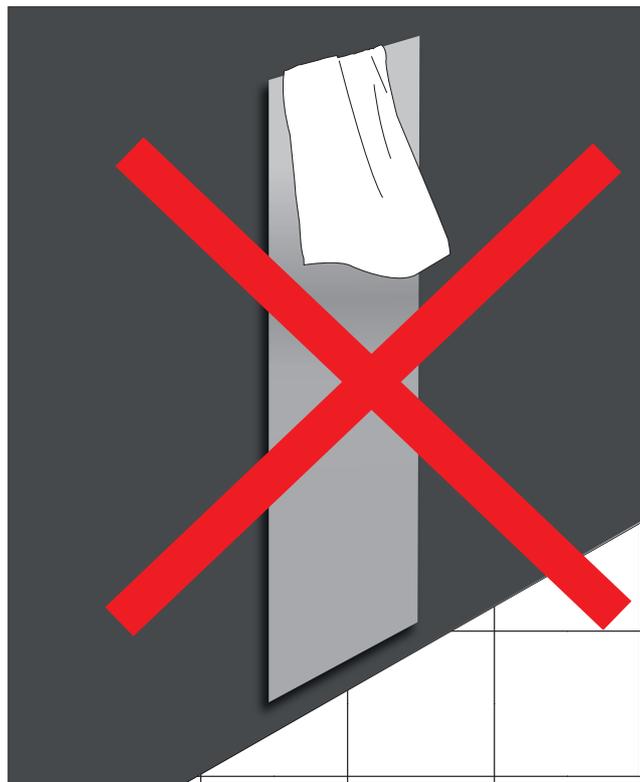
IMPORTANT:

If fil-pilote wire won't be connected to a programming device, it has to be insulated and it hasn't never to be connected to a ground terminal



4. warnings:

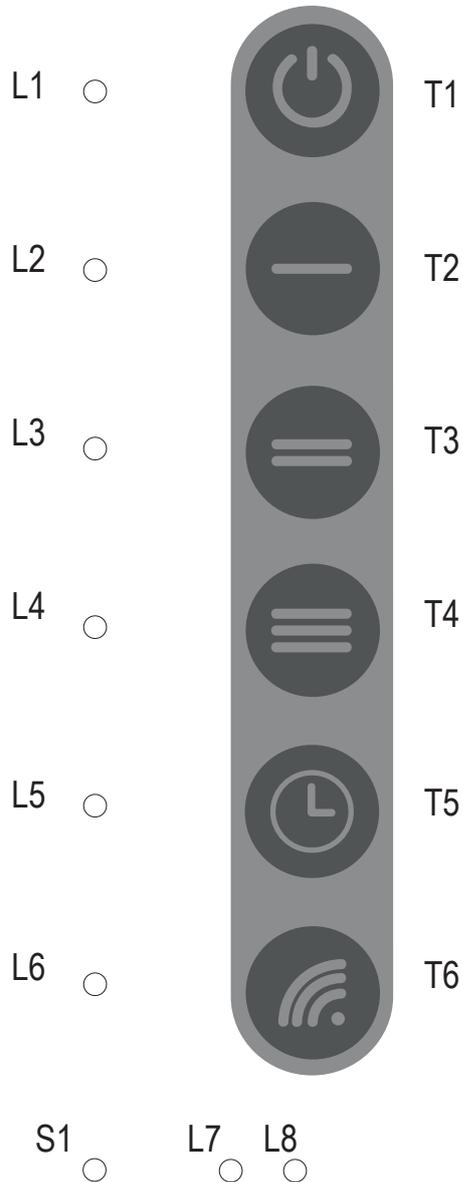
- Keep out of reach of the children under 3 years old
- The device can be used by children aged between 3 and 8 years old and by people with reduced physical or mental capabilities, but they have to be guarded, or they have to receive the instructions about the safety use of the device and must be aware about the possible dangers.
- Ensure that the mains cable doesn't get in touch with the hot surface of the radiator
- The device has been created and tested for the household heating
- During standard operations, the surface of the radiator reaches high temperatures which can burn the user
- flammable materials, fuels or pressure vessels (spray bottles, fire extinguishers..) have to be located not closer than 50cm from the radiator
- Do not touch the radiator with wet feet or hands
- The radiator hasn't be used if the mirror is damaged
- Never cover the radiator to avoid hazardous overheatings



4.1 Touch-screen keyboard

Icons and functions (Fig. 7)

T1	STAND-BY.....	L1
T2	Heating at low temperature (40° ca).....	L2
T3	Heating at middle temperature (50° ca).....	L3
T4	Heating at maximum temperature (70° ca)	L4
T5	2h Boost at maximum temperature.....	L5
T6	Child-proof keyboard lock.....	L6
L7	The red light indicates that the radiator is heating	
L8	The radiator is connected to the electricity supply	
S1	infrared sensor for remote control	



Total mirror radiators have an advanced system control with a touch-screen keyboard and with some indicator lights (LED lights) which show the set mode.

Any change in the settings is pointed out by some acoustic sounds.

When the radiator is connected to electricity, all LEDs light up for 2 seconds and you hear a long acoustic sound, then L1 and L8 keep lighting up.

If you want to heat the room at low temperature, please touch T2. In this way green LED L2 and red LED L7 turn on and you hear a beep. When the surface of the radiator reaches the set point temperature, L7 turns off and it cyclically turns on again in order to keep the set point temperature.

If you want to heat the room at middle temperature, please touch T3. In this way green LED L3 and red LED L7 turn on and you hear a beep. When the surface of the radiator reaches the set temperature, L7 turns off and it cyclically turns on again in order to keep the set temperature.

If you want to heat the room at high temperature, please touch T4. In this way green LED L4 and red LED L7 turn on and you hear a beep. When the surface of the radiator reaches the set temperature, L7 turns off and it cyclically turns on again in order to keep the set temperature.

If you want the maximum temperature for a restricted period (2 hours), please touch T5, L5 and L7 turn on. The radiator will work to maximum temperature for 2 hours, then it automatically returns to its previous mode.

If you want to lock the keyboard and prevent changes to settings, please touch T6 for more than 5 seconds. You will hear 4 beeps indicating that the keyboard is locked. Now if a key is touched, L6 flashes for 2-3 seconds but the settings won't be changed. T1 is the only key that keeps working and it allows you to put in stand-by the radiator.

To unlock the keyboard you need to touch T6 for 5 seconds. The radiator will sound 4 times to confirm the operation.

5. REMOTE CONTROL

Total Mirror radiators are supplied with an infrared remote control which allows you to manage environment temperature and to set all different programs.

When S1 sensor receives the information, L8 flashes and keeps lighting up to indicate that the radiator has been set. For a good communication you need to put the remote control towards the receiver.

The distance between remote control and receiver has not to exceed 7m.

5.1 INSTALLING BATTERIES

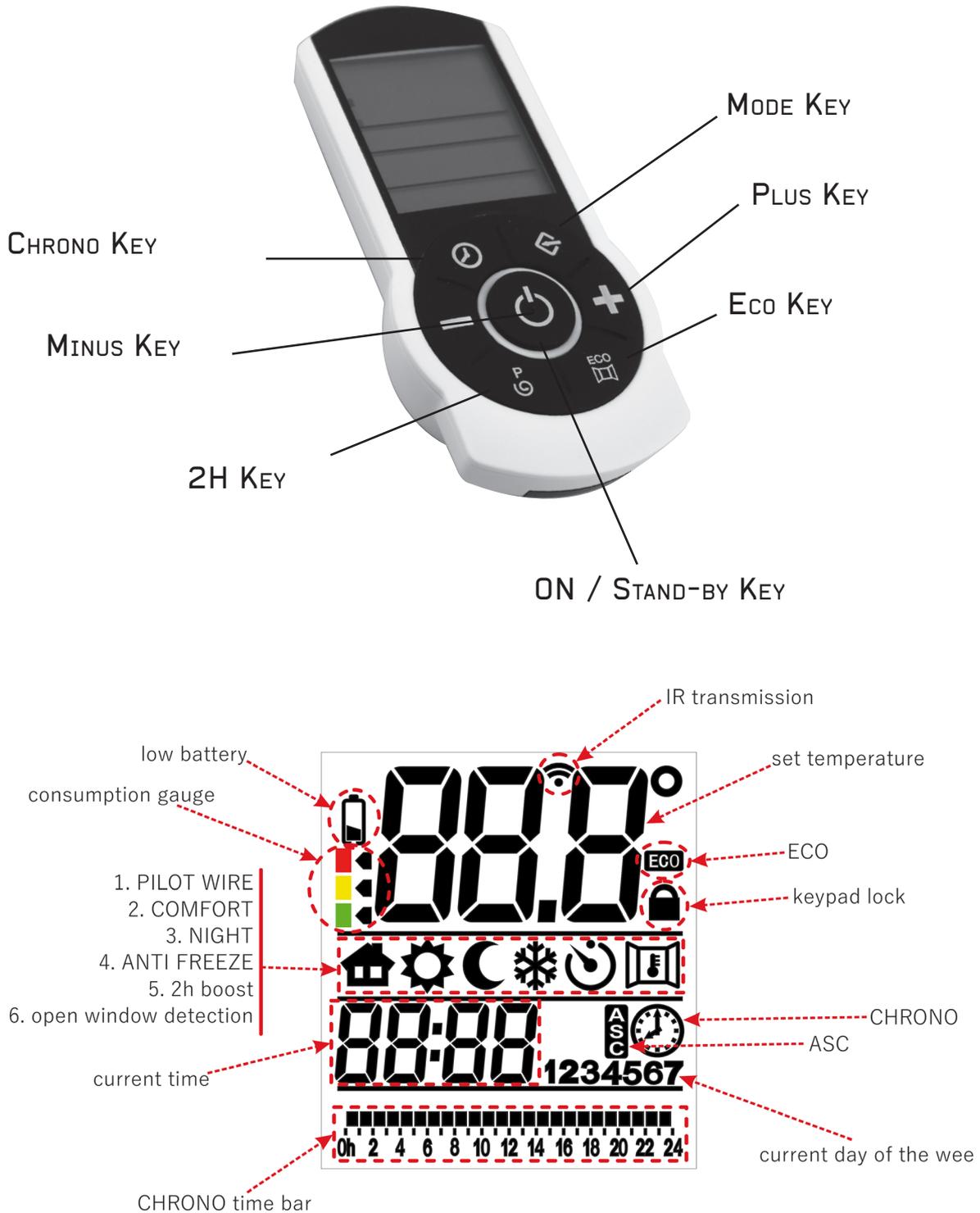
Remove the cover placed on the back of the remote control.

Insert two alkaline batteries AAA 1.5 V. Note the correct polarity when inserting the batteries. Put the cover in place.

Remember to take used batteries to battery collection points so they can be recycled.

5.2. GENERAL DESCRIPTION

1. communication with double infrared, one at the top and the other at the bottom
2. seven keys
3. maximum distance of communication from the radiator: 7 m
4. 2 batteries AAA_LR03 1,5V



ICON	MODE	DESCRIPTION OF THE FUNCTION
	Comfort	the temperature of the radiator is controlled by comfort mode settings
	Night	the temperature of the radiator is controlled by night mode settings
	Anti freeze	the temperature of the radiator is controlled by Anti-freeze mode settings
	Fil-Pilote	the temperature of the radiator is controlled by Fil-Pilote (this function is available only for French market)
	Chrono	the temperature of the radiator is controlled by Comfort and Night programs
2h	2 hr timer	the radiator heats room at the highest temperature for just 2 hours
	Keyboard locked	The keyboard of the radiator and the keyboard of the remote control are locked
ECO	Eco	It activates eco mode
	Open Window	the remote control activates windows open function
	Stand By	the radiator is switched off

Change of mode

Once you have inserted the batteries, the display shows you all icons for 3 seconds. After that, you are in “data and hour setting” interface. Here you can set data and time by pressing plus and minus keys. Press again Mode key to save the set minute and enter in stand-by mode. If you don't want to set any parameters, you need to press stand-by key while “data” is flashing. (Fig.1)

When you have set data/hour/minute and when you are in stand-by mode, you need to press stand-by key to go to comfort mode

From Comfort mode you go in night mode by pressing mode key again.

In the same way, if you press again mode key, you can see: comfort mode, night mode, anti-freeze mode, chrono mode, fil-pilote mode, comfort mode***

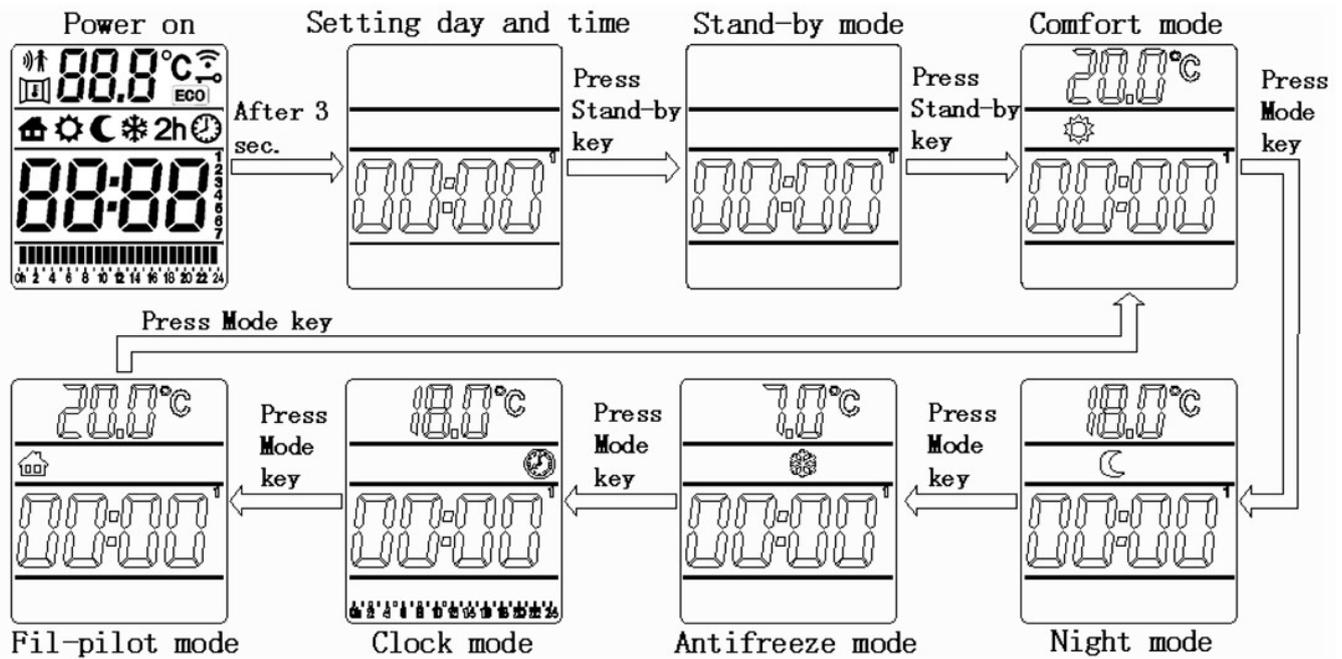


fig.1

Comfort and Night mode: temperature setting (see fig.1)

1. Enter in comfort mode or night mode to set the temperature using plus and minus keys. By pressing plus key the temperature increases of 0.5 °C while by pressing minus key it goes down of 0.5 °C. Range temperature: 7-32 °C
2. The setting temperature in night mode can't be higher than that of comfort mode
Example: if you set comfort temperature at 25 °C and then you go in night mode, it will be not possible to set a temperature higher than 25 °C.

Anti-freeze mode (see fig.1)

In anti-freeze mode the temperature is pre-set to 7 °C, by pressing plus or minus keys you can increase or decrease the temperature

Chrono mode (see fig.1)

In chrono mode you see the temperature, day, hour of daily program.

Fil-Pilote mode (see fig.1)

Enter in Fil-Pilote mode, the device will identify the commands received by Fil-Pilote (comfort/night/Anti-freeze/ECO/Stand-by) (just for French market)

2hr timer

By pressing 2h timer, the device heats at maximum power for 2 hours. By pressing again the same key, the remote control will come back to previous mode (Fig.2)

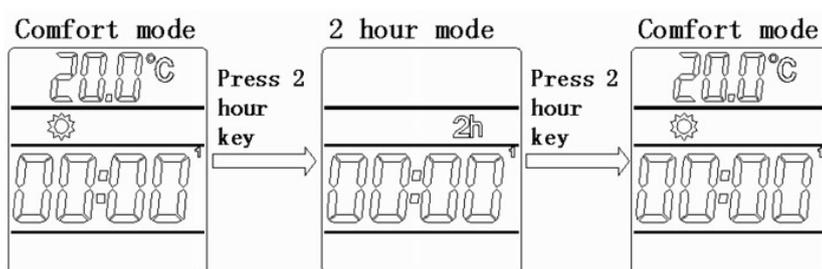


fig 2

Stand-by mode

By pressing stand-by key the remote control goes in stand-by mode and the device stops working. If you press again the same key, the remote control will come back to previous mode

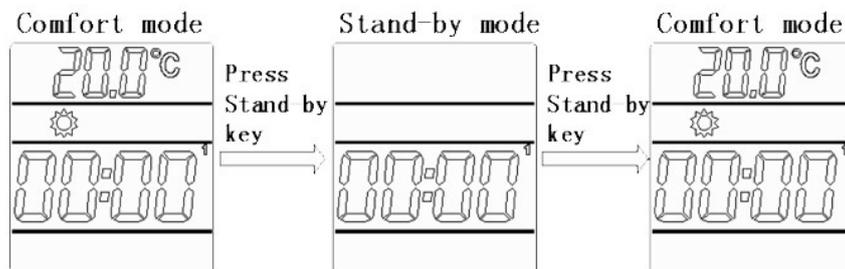


fig. 3

Eco mode

Eco mode can be used to reduce energy consumption when room is empty for a long period.

By pressing eco key, the icon appears on the display and then it will disappear when you press again the bottom. It's possible to choose 2 different temperatures: one for fil-pilote and comfort mode, one for night and chrone mode. You can choose them by pressing plus or minus keys.

Open window mode

You can enter in open window mode by pressing together eco and minus keys for more than 3 sec. The inner thermostat of the radiator will reveals the reduction of the temperature and will activate stand-by mode.

When the temperature will be again stabilized, the radiator will come into function.

Press the same keys in order to disable this function.

Time and program setting

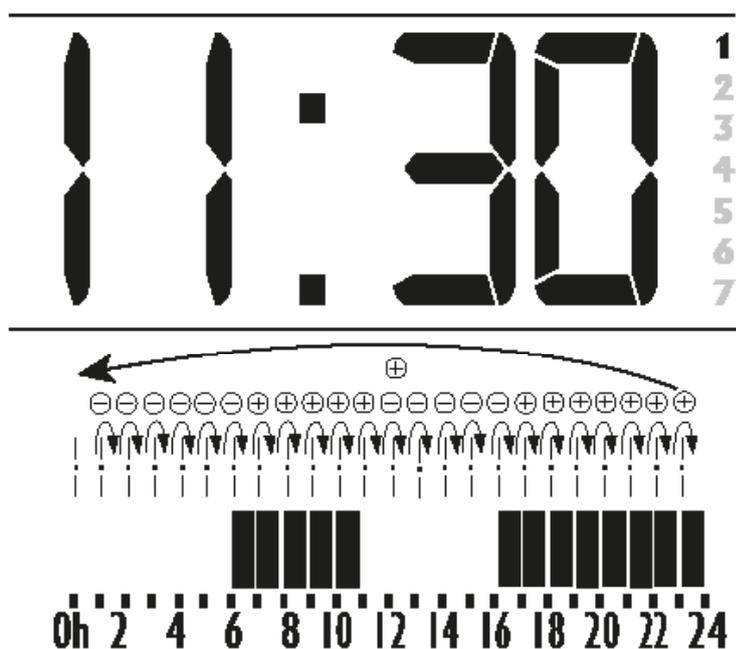
Press chrono key to set up data and time. By pressing plus and minus keys, you can change the day of the week. Then, press mode key to save the new settings.

When the section hour is flashing, you can set up the current hour by using plus and minus key. Always save with mode key.

Once you have set the hour, the section minutes flashes and you can set it, by using plus and minus keys. Save again with mode key.

After that, it's possible to set up Monday program. By pressing plus key you set the comfort mode while, with minus key, you set night mode. These two operation modes are visible on the bar placed on the bottom of the display which indicates the hours from 0 to 24. Save the settings with mode key.

In the same way you can plan all week. (from Monday to Sunday)



Key lock

Press together Mode and Plus keys for more than 3 sec. to lock the keyboard. The icon appears on the display and no more keys will work. In order to disable the function you need to press again the same keys for more than 3 seconds.

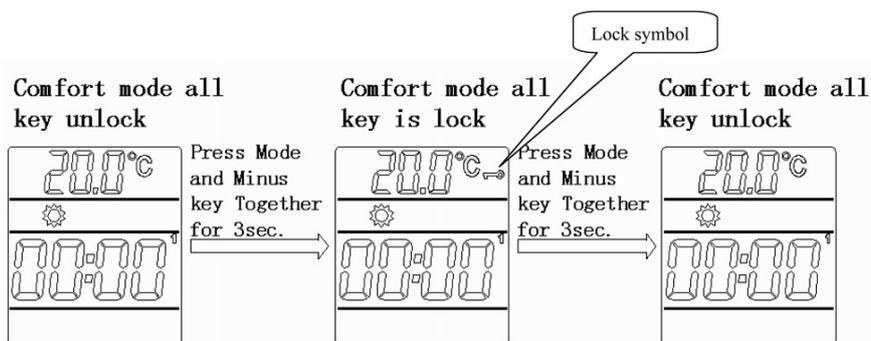


fig.7

IR transmission

If no key is working, after 1 sec the remote control will transmit IR data to the device and the IR symbol will flash. When the transmission ends, the icon will disappear.

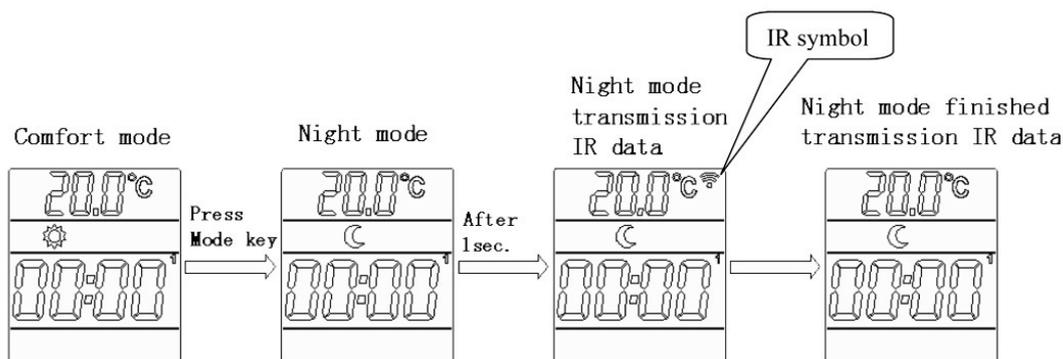


fig.8

Low battery

When the power of the battery is lower than 2.2V the display shows the word "batt" for 3 sec. every minute in the chrono area. In this case the user need to change batteries.

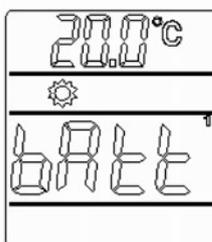
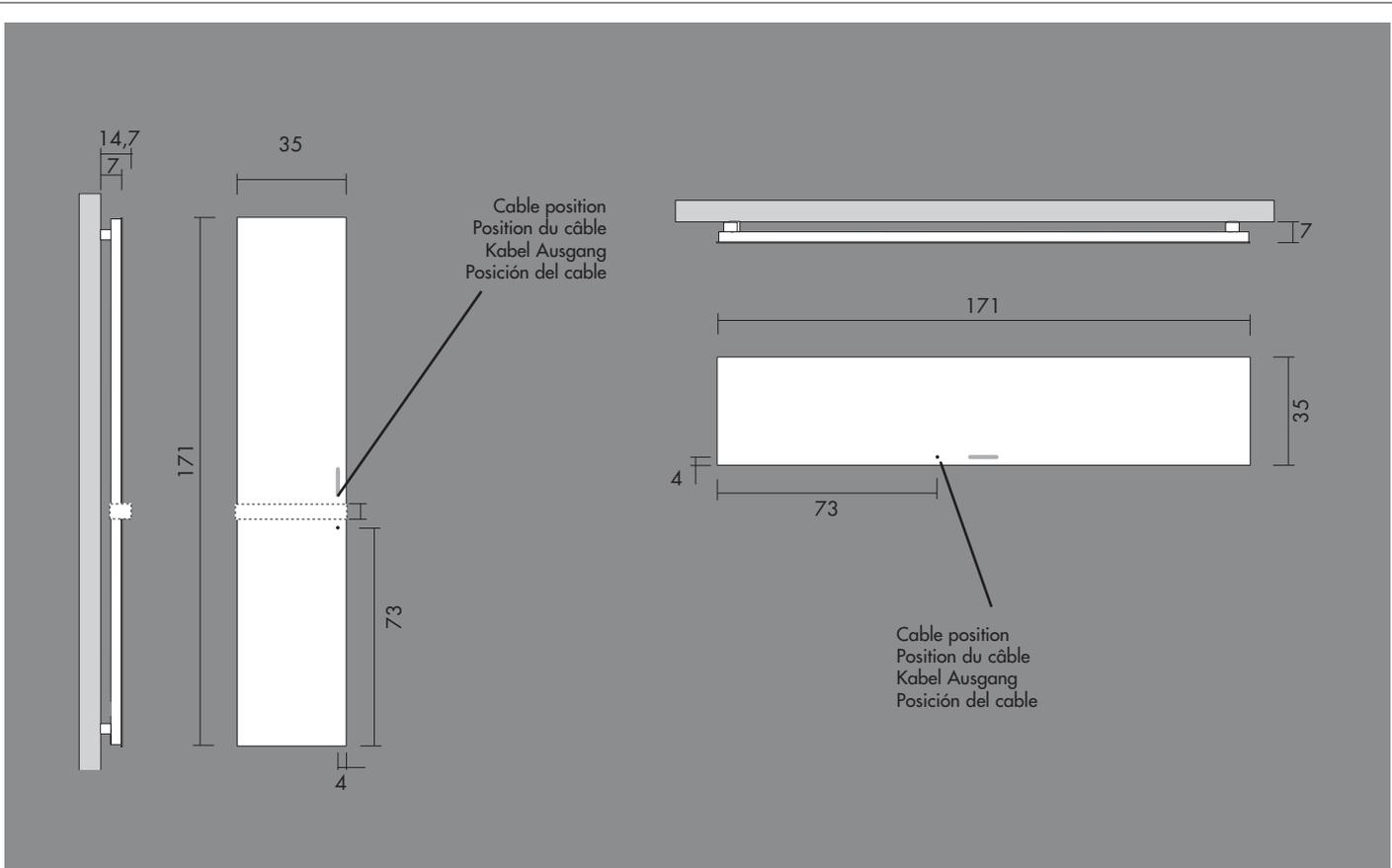


fig.9

Cleaning and maintenance

First of all check that the device is completely cold and it is not connected to the mains. Use a soft damp cloth with a neutral cleanser for the cleaning of crystals. Never use abrasive or corrosive agents or solvents. In case of technical problems please turn to qualified professional installer.



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