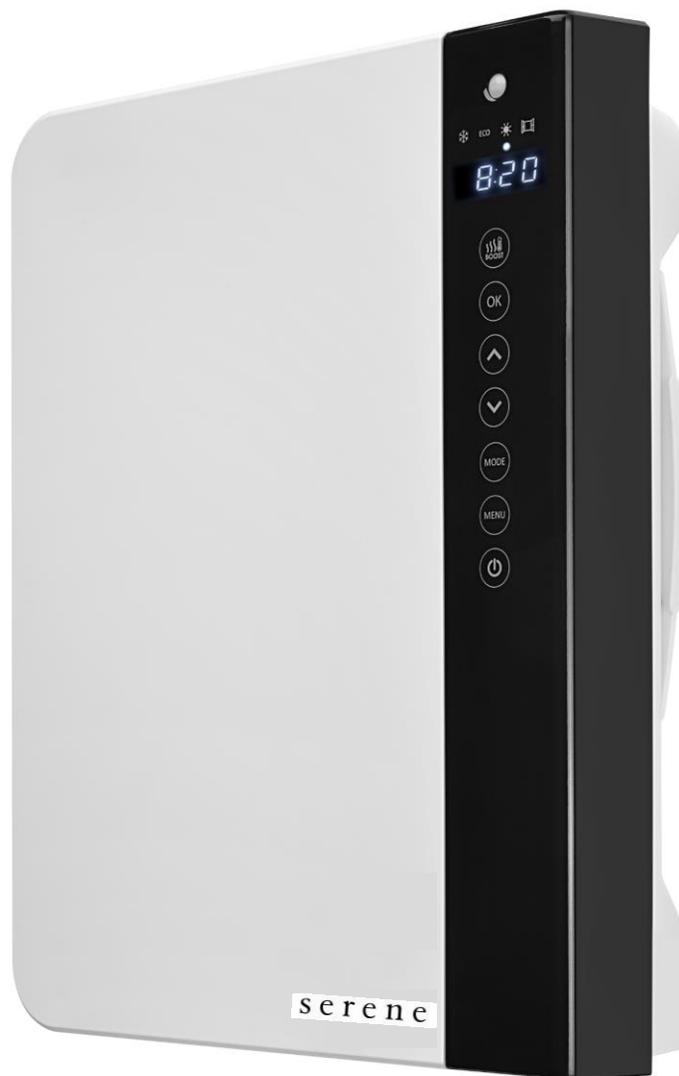


Operating & Installation Manual

Serene Model S2033



Safety Information:



This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

When using any electrical appliance, safety precautions should always be observed. Read these instructions carefully, and retain for future reference.

When used by, or near, young children or infirm persons, supervision is necessary. Young children should be supervised to ensure that they do not play with the appliance.

- Use this appliance only with the voltage specified on rating label.
- Do **NOT** use this appliance other than for its intended use.
- Do **NOT** touch hot surfaces or moving parts.
- Do **NOT** cover the grilles or place any object or material up against the unit, as this may block entry or exhaust of air.
- Do **NOT** probe any opening.

To ensure trouble free performance it is recommended that on a regular basis the unit be isolated from the power supply and a vacuum cleaner used to remove dust from the inlet and outlet grilles.

Caution:

When the heater is operated ensure the heater is not obstructed in any way. Ensure the heater can operate safely, should the heater switch on when the ambient temperature drops, or a timer activates the heater.

- Do **NOT** allow the supply cord to come into contact with heated surfaces during operation.
- Regulations require that electrical work be carried out by authorised persons. For your own safety and that of others, ensure this is done.
- If the supply cord becomes damaged, it must be replaced by a qualified person, in order to avoid a hazard.

Before operating the heater, please read these instructions thoroughly to avoid damage and hazardous situations.

Any use of this heater other than that stipulated in this instruction manual may cause fire, electric shock or injury, and voids all warranties.

Before any operation remove the packaging and check product integrity. In case of defects or damages do not try to repair it yourself but contact your dealer.

WALL MOUNTING

Only fix the heater in vertical position with the air outlet grid downward;

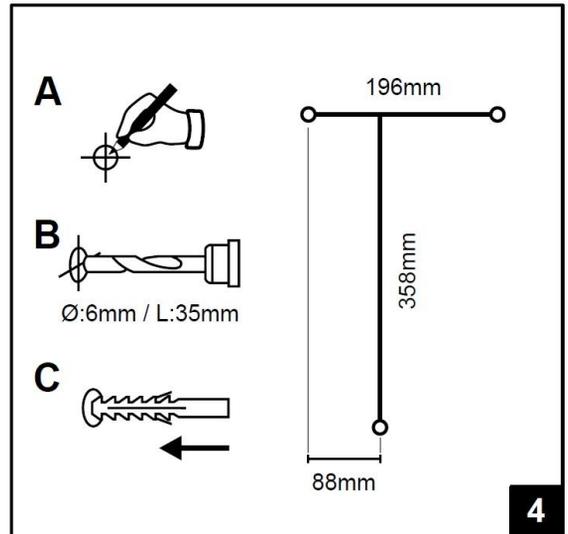
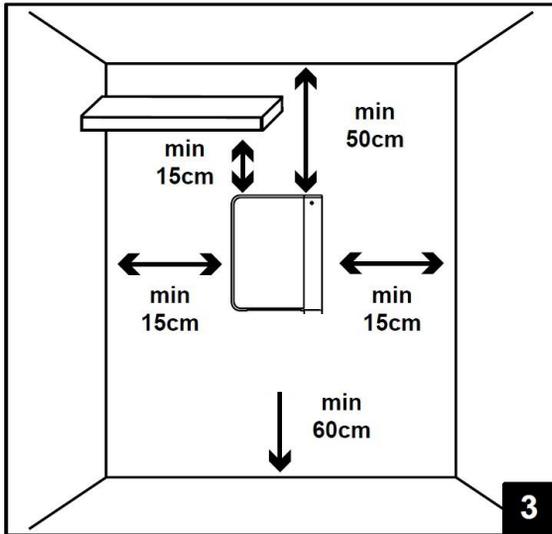
- The heater is fitted with a double electrical insulation circuit (class II) and therefore does not require an earth connection.

The heater must be correctly installed in compliance with the regulations in force in the country of installation.

In wet spaces like bathrooms or kitchens, the connection terminal must be installed at least 25 cm above the floor.

- To choose the best installation position please consider that the sensor is able to detect movements. Place the heater in the best position to detect people inside the room.
- Never install the product so that the distance between the floor and the lower side of the product is less than 600 mm. See picture **3 below**
- Drill three 6 mm diameter holes in the wall, as shown in picture **4 below**
- Insert the three wall plugs supplied with the product
- Insert the 2 upper screws, contained in the same bag, taking care to **leave a distance of 8 mm between the head of the screws and the wall.**
- Grip the heater firmly and hook it onto the two screws; **CAUTION!** Before releasing the heater make sure it is attached to the 2 screws.
- Then secure the product with the lower screw.

Wall mount continued



FILTER

This product is fitted with a filter to protect the heating element from dust and dirt. The filter is removable to be easily cleaned with water.

See picture **10** below.

To keep the heater in perfect condition, clean the filter once every six months REMEMBERING TO PUT IT BACK AGAIN AFTERWARDS.

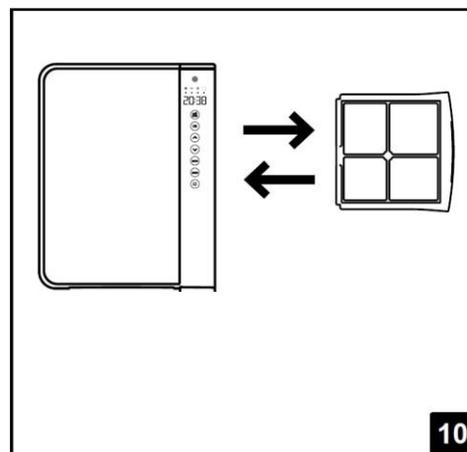
Every 120 working hours, the user is notified of the need to clean the filter on the back of the product. The warning

is given in the form of a running message on the display:

" **CLEAn FILtEr - PULirE FILtro** ".

Even when the display is showing the message above, the product goes on working in the mode active when the notification appears.

If any key is pushed the text is removed from the display and the built-in counter is reset.



COMMAND DESCRIPTION AND FUNCTIONING

Tesoro is fitted with a double pole electromechanical ON/OFF switch on its left side. Switching off the product the supply voltage is disconnected from all the internal components.

**The following controls are available on the front panel
(per see diagram on next page)**

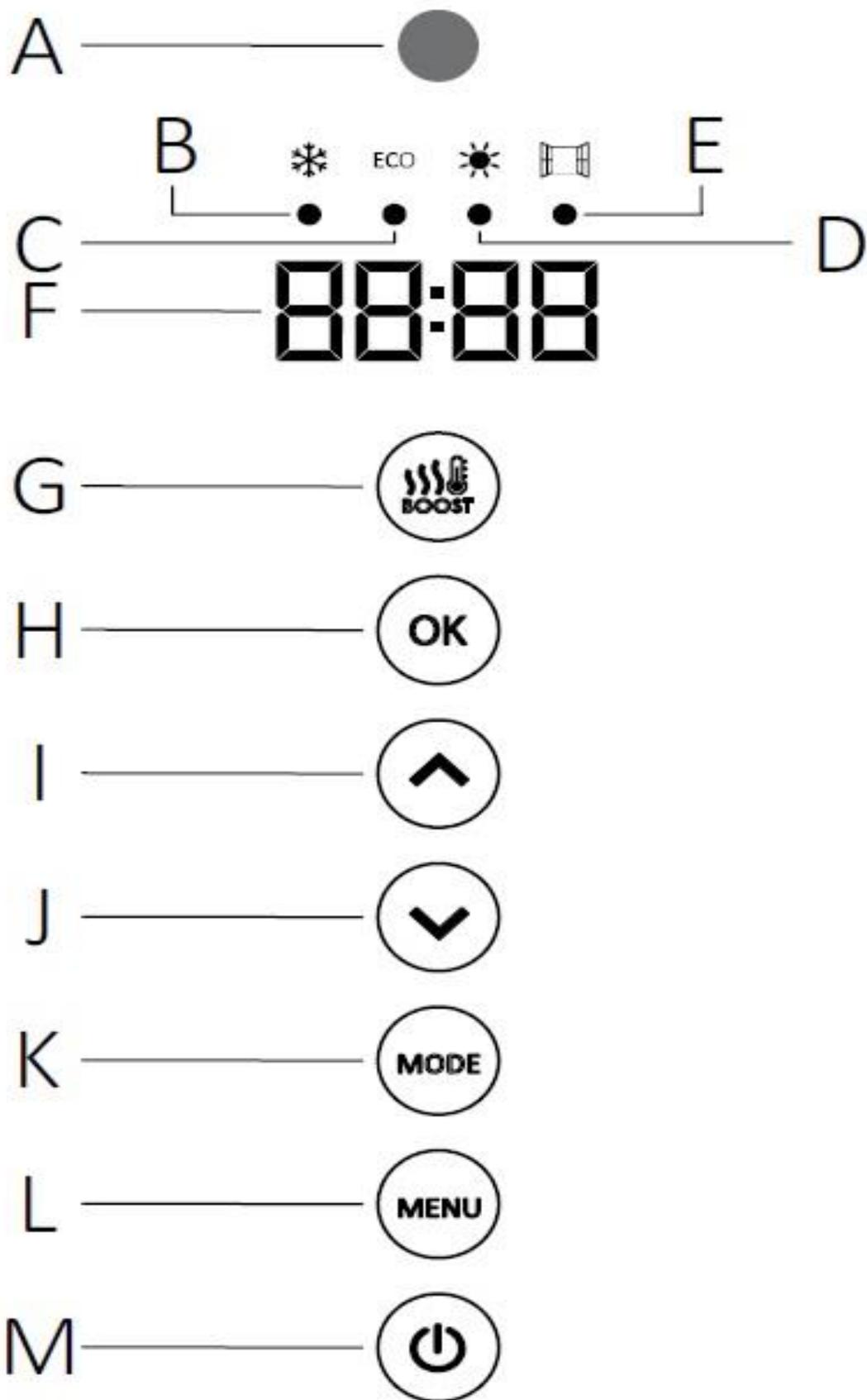
- A - Presence Sensor
- B - Anti-freeze mode LED indicator
- C - Eco mode led indicator
- D - Comfort mode led indicator
- E - Open window detection LED indicator
- F - Display
- G - Boost function
- H - Ok/confirm
- I - Show and increase
- J - Show and decrease
- K - Mode
- L - Menu
- M - Stand-by

The heater features **Presence Sensor** and an **Automatic Power Management** functions.

The presence sensor allows a reduced energy consumption, lowering automatically the ambient temperature when no presence is detected in the room for at least 10 minutes. Once someone is detected, Tesoro comes automatically back to the set comfort temperature.

The automatic electronic power selection, instead, manages the consumption through an accurate and comfortable regulation keeping constant the selected temperature - according to what has previously been set on the electronic thermostat.

COMMAND AND FUNCTIONING



Tesoro can be used choosing between 4 different operating modes:

- 1. ANTI-FREEZE**
- 2. PROGRAMMED**
- 3. AUTOMATIC**
- 4. BASIC**

1. Anti-freeze mode

The thermostat is set to keep 7 ± 3 ° C.

The function is activated manually or automatically when no presence in the room is detected for at least 36 hours.

In this case, as soon as a presence is detected again, the product will automatically set the automatic mode.

2. Programmed mode

The product can be programmed by selecting, for each day of the week, which of the 5 pre-set profiles you want to use.

During all the operating time in programmed mode, the presence sensor is deactivated so that the product can correctly follow the temperature profile set by the user.

In Programmed mode there is also a special function - which can be activated at the user's choice - **allowing the detection of the eventual opening of a window and switching to the Anti-freeze mode to minimize energy waste.**

3. Automatic Mode

The product is set to work at a comfort temperature whenever someone is detected in the room.

Should no one be detected in the room for at least **TEN minutes**, the heater will automatically set the Eco mode (3,5°C less than the set Comfort temperature). Should no one be detected in the room for more than 36 hours, the heater will automatically set the Anti-freeze mode (7°C).

In case someone should be detected again for at least 2 minutes, the product will automatically increase the temperature to the comfort level.

4. Basic Mode

Tesoro works in Comfort mode.

The presence detection is **disabled** and doesn't affect the set temperature as in Automatic mode.

In Automatic mode is also available a special feature, which is activated at user's choice, which allows to detect the possible opening of a window and to switch to Anti-freeze mode to minimize energy waste. **Using the fan heater**

MAIN ON/OFF SWITCH

(placed on the left side of the product)

The power supply of the product is controlled by an electromechanical ON/OFF switch.

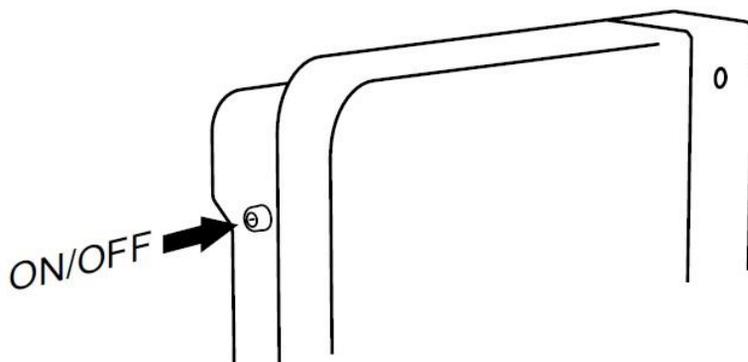
Switching off the fan heater will cut off the power to the electronic board causing - after 30 minutes of power supply absence - the loss of every stored information. We recommend to use this switch only when you are not using the product for long periods. Instead, it is possible to use the on/stand-by key for any short-term interruption, so that no stored setting will get lost.

At first use of the product or in case of over 30 minutes power loss, when the product turns on the display shows 00:00

and begins counting the time starting from this value.

Should no adjustment be made within 15min after power up, the product will automatically switch to Antifreeze

mode with the lighting up of the corresponding LED light - **ON/OFF**



STAND-BY BUTTON



Use the  button to switch On or set in Stand-by the product. When ON is pressed the set working temperature LED lights up.



Example of activation in Comfort.

MENU BUTTON



The  button allows access to the product settings - time, day, weekly program and open window detection adjustment.

Time setting



Hour

Activate time display/change

by pressing the  button until the word "Hour" appears.
After 3 seconds:

00:00

The 2 digits representing the hour blink

Select the current hour by using the  or  key

Press the OK key to confirm



2:00

The 2 digits representing the minutes blink

Select the current minutes by using the  or  key

Press the OK key to confirm



Day of the week setting



day

Activate day of the week display/change

by pressing the  button until the word "day" appears.
After 3 seconds:

Mo

The 2 digits representing the day blink

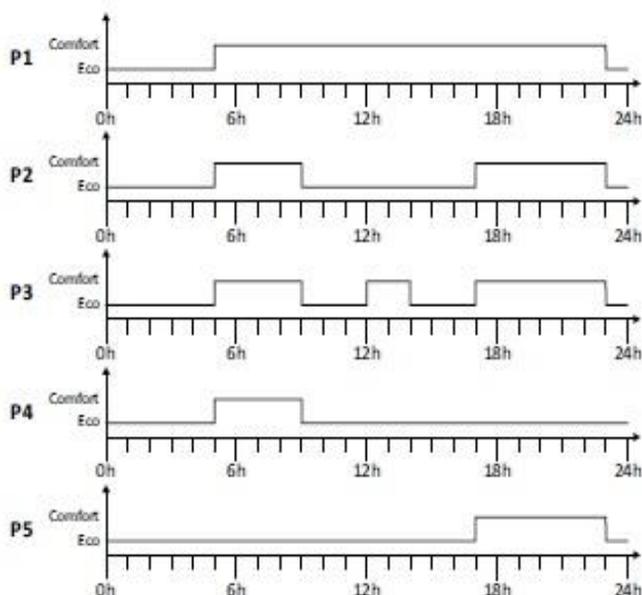
Select the current day by using the  or  key

Press the OK key to confirm



Weekly program setting

The programming function allows you to choose - for each day of the week - one of the following three preset operating program:



Prog

Activate programming display/change by pressing the  button until the writing "Prog" appears. After 3 seconds:

Mo:P1

The 2 digits representing the first day blink

Select the day by using the  and  keys

Press the OK key to confirm



Mo:P1

The 2 program digits blink

Select the desired program by using the  and  keys

Press the OK key to confirm



Mo:P1

The 2 digits representing the selected day blink again to proceed with selecting another day

Select the day by using the  and  keys

Press the OK key to confirm



Tu:P2

The 2 program digits blink

Select the desired program by using the  and  keys

Press the OK key to confirm



Proceed like this for all the days you wish to view and/or modify.

End

At the end of the procedure, after the last day - Sunday - is displayed, press the  button again allows to terminate the programming. The message "End" appears on the display.

Press the OK key to exit the programming



At any time it is possible to exit by pressing the key  to save your changes.

Open window detection

This function makes it possible to detect an open window and automatically activate the Anti-freeze operating mode. When the function is enabled and ready a LED lights up under the corresponding icon.

The simultaneous lighting of the LED lights under the Anti-freeze and window symbols indicates that an open window has been detected and the Anti-freeze mode has been automatically set.



The reset of the normal functioning is not automatic but is achieved by pressing one of the product buttons.



Correct operation of this function may depend on where the radiator is positioned in the room, the presence of draughts, the outside temperature, and how long the window remains open.



OPEN

Activate open window detection function display/change by pressing the  button until the writing "OPEN Window" appears

OPEN

The writing scrolls on the display

Press the OK key to view the function status



YES

"YES" indicates the function is active

Activate or deactivate the function by using the  and  keys

Press the OK key to confirm



NO

"NO" indicates the function is deactive

Activate or deactivate the function by using the  and  keys

Press the OK key to confirm



MODE BUTTON



Pressing the  button allows to select one of the 4 operating modes described in paragraph 5.



Fros

ANTI-FREEZE mode

The thermostat temperature is automatically set to $7 \pm 3^\circ \text{C}$.

The LED light corresponding to the Anti-freeze mode lights up.

In this mode the open window detection function is disabled.



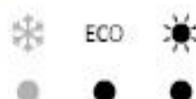
Prog

PROGRAMMED mode

The fan heater reaches and keeps the temperature set in the weekly program (MENU button).

The LED light corresponding to the Comfort or Eco mode lights up according to the settings for the current time and day.

In this mode the open window detection function can be enabled or disabled using the MENU button ("OPEN Window" setting).



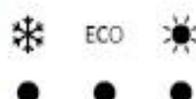
Auto

AUTOMATIC mode

The fan heater reaches and keeps the Comfort temperature and automatically switches first to the Eco and then to the Anti-freeze mode when no presence is detected.

The LED light corresponding to the Comfort, Eco or Anti-freeze mode lights up according to the information received by the presence sensor.

In this mode the open window detection function can be enabled or disabled using the MENU button ("OPEN Window" setting).



BASE

BASIC mode

The fan heater reaches and keeps the Comfort temperature by deactivating the presence sensor.

The LED light corresponding to the Comfort mode lights up.

In this mode the open window detection function can be enabled or disabled using the MENU button ("OPEN Window" setting).



SELECTION BUTTONS



Selection buttons are used within the menus to display and/or set the several customizable parameters as shown in the various sections of this manual.

You can check the set Comfort temperature at any time by pressing a single time the  or  key. A further pression will modify the set temperature.

Note: The temperature measured by the inner sensor of the product is representative of the ambient temperature nearby it and it may differ from the temperature measured using other instruments in other areas of the room. That difference may depend on many factors including, for example:

- the installation position: some areas of the room may be affected by drafts or hot air sacs that modify the sensor measurement;
- an external wall fixation: it may imply a temperature measurement lower than the real room temperature;
- an excessive towels load on the support bar may obstruct the airflow. As a result the sensor may measure a temperature higher than the real room temperature;
- unstable conditions: any evaluation must be done in stable working conditions. For this purpose Comfort temperature should be changed only 60min after a previous change. In fact, it is not possible to evaluate if the room temperature is correctly maintained by the product when the Comfort temperature gets repeatedly changed in a short time. If the difference between set temperature and room temperature is detected in stable working conditions, measure the difference and then increase or decrease the comfort temperature on the product of the exact measured difference value.

OK BUTTON



The OK button is used in the various menus to confirm the chosen settings.

BOOST BUTTON



The Boost button allows to activate the timed operation for 15 minutes at maximum power without the thermostat control. During this operation the display shows alternately the word "BooS" and the remaining time. At the end of this forced operation, the fan heater returns to the previous operating mode.

7. TROUBLESHOOTING

- In the event of overheating, the safety device on the appliance automatically disabled the heating elements and motor. In this case:
 - Turn off the fan heater and allow it to cool down for about 15/20 minutes.
 - Make sure the dust filter is not totally obstructed and clean if necessary. Remember to put it back again afterwards.
 - Eliminate any other possible reasons for overheating (e.g.: obstructions in front of the air inlet/outlet grilles, build-ups of dirt).
 - Turn on the fan heater again and check its correct functioning.
- If the touch control commands are blocked or don't answer properly to digital pressure, turn off the heater for at least 30sec using the electromechanic switch on the left side of the heater. Then turn on the heater using the same switch.

8. MAINTENANCE

- This product does not require any special maintenance.
- Clean the product with a dry cloth at least once every 6 months.
- If the product requires repairing, contact an authorised technical service centre.
- When replacing the power cable, use a 2x1,00mm² H05VV-F <HAR> type. This operation must be performed by qualified personnel and never by the user in order - in order to avoid product damages and safety hazards.

9. LEGAL NOTICE



Environment and recycling

To prevent the product from being damaged during transport, it has been carefully packed. To contribute to environmental protection, we ask you to dispose of the packaging material properly.

Recycling of obsolete appliances

Appliances with this label must not be disposed off with the general waste. They must be collected separately and disposed off according to local regulations. Used appliances disposal must be carried out carefully and in accordance with local waste disposal regulations.

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