

TF1800

Thermofan Bathroom Fan Heater

Installation Guide

Please read these instructions carefully and in full before installation.
Hardwire installation should be carried out by a qualified electrician.

Safety Information

Please ensure you have thoroughly read and understood these instructions and the safety notes before commencing installation.

Retain this leaflet for future reference.

Before operating remove the packaging and check product integrity. In the case of defects or damages contact your dealer.

The TF1800 is a Bathroom Fan Heater features a presence sensor and programmable timer to ensure your room is heated quickly and efficiently.

The safety and installation instructions must be followed accurately. Failure to do so will void the product warranty.

Do's

-  Ensure that the unit is installed correctly and complies with local electrical regulations
-  Ensure the that the unit is connected to 240V power supply
-  Switch the unit off and unplug if it is not to be used for a long period of time
-  When the unit is operating ensure that it is not in contact with plastic or synthetic surface
-  Ensure that there is nothing in front of the vent when the unit is operating
-  Before cleaning the unit ensure that the unit has cooled down
-  Ensure that a qualified electrician connects the unit to mains powers and repairs if necessary
-  Remove and clean the filter at least every 6 months

Dont's

-  Use the unit in a commercial/industrial environment
-  Leave the unit operating when you leave your home
-  Leave children to touch or play with the unit
-  Cover the heater or hang anything over the heater while it is operating
-  Use in rooms with explosive gas or whilst using flammable solvents or glues
-  Clean the product with water when connected to power
-  Immerse the unit in water
-  Wind the cable around the unit while operating
-  Leave the heater operating in small rooms if the room is unoccupied or the occupant is unable to leave the room or turn the unit off

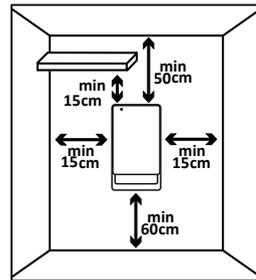
Thermofan Installation

Positioning

The TF1800 Bathroom Fan Heater is designed to be mounted on the wall in the vertical position. The Heater has a double insulation electrical circuit (class II) and therefore does not require an earth connection.

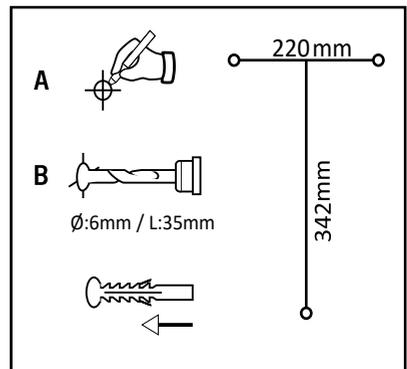
The TF1800 has an IP rating of IPX4 which means it can be used in bathrooms and areas subject to humidity as long as it is not installed within the perimeter of baths and showers. The Heater can be installed in Zones 2 and 3.

When choosing where to position your TF1800 Fan Heater remember that it has a presence sensor and make sure it is positioned in the best place to detect movement. The sensor works more effectively when people move in front of the unit rather than walking towards the unit. We recommend that the TF1800 Bathroom Heater is installed a minimum of 50cm from the roof and 60cm from the floor and 15cm from walls and other objects.



Installation

1. Drill two 6mm diameter holes in the wall 220mm apart where you want the top of the unit to be positioned. Drill one 6mm diameter hole 342mm below in the center of the two top holes. Insert the three wall plugs supplied with the unit.
2. Insert the two upper screws, ensuring that you leave a distance of 8mm sticking out from the wall which will allow the unit to hang on.
3. Line up the holes on the back of the unit with the two screws and hang the unit up. **CAUTION** before letting go of the unit ensure that it is secure on the two screws.
4. Finally, secure base of the unit of the unit to the wall with the screw provided. Plug your Fan Heater into a power point.



Understanding Your TF1800 Fan Heater

Filter

The TF1800 is fitted with a filter to protect the heating elements from dust and dirt. The filter is removable for easy cleaning and maintenance and can be accessed from the right side of the unit. To keep the unit in perfect condition we recommend that the filter is cleaned at least every six months. After every 120 working hours a warning message (*PULIRE FILTRO - CLEAN FILTER - NETTOYER FILTRE*) will display notifying of the need to clean the filter.

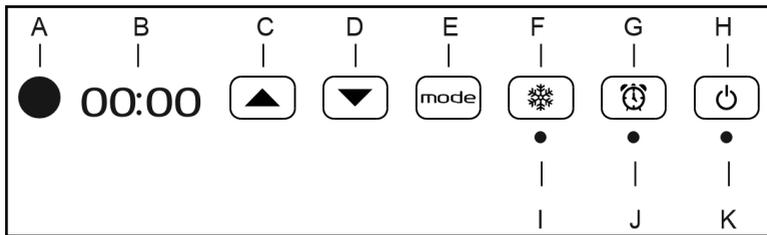
The heater will continue to operate even when the message is displayed. If any button is pressed the message will be removed but will be displayed again after an hour of operation. Once the filter has been cleaned and replaced hold down the **mode** button to reset the built-in counter. The message *done* will appear on the screen to confirm this has been reset.

Towel Rail

The TF1800 is fitted with an integrated towel rail and four hooks on the back of the rail. The towels must be hung over the rails and not folded up, to prevent the unit from overheating.

Controls & Functions

The TF1800 Bathroom Fan Heater is fitted with an ON/OFF switch on the left-hand side of the unit. The front controls are all touchscreen and allow you to change and set the desired temperatures as well as programming the unit to suit your lifestyle.



- | | | | |
|----------|-------------------|----------|-------------------------------|
| A | Presence Sensor | G | Programmed mode |
| B | Display | H | Stand-by |
| C | Show and increase | I | Frost free mode LED indicator |
| D | Show and decrease | J | Programmed mode LED indicator |
| E | Settings | K | Functioning LED indicator |
| F | Frost free mode | | |

The TF1800 Bathroom Fan Heater features a presence sensor and an automatic power management function.

The presence sensor allows a reduced energy consumption, lowering automatically the ambient temperature when no one is detected in the room, while it comes back to the set comfort temperature, maintaining it while movement is detected in the room. The operation of the presence sensor cannot be disabled.

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

Understanding Your TF1800 Fan Heater

The TF1800 Bathroom Fan Heater has two modes that you can use to program your heater.

Automatic Mode

The TF1800 is set to work at a comfort temperature whenever someone is detected in the room. Should no one be detected in the room for 10 minutes, the heater will automatically go into 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 go into the Frost-Free Mode (7°C). If someone is detected in the room again for more than 2 minutes, the TF1800 will automatically increase the temperature to the comfort level.

Programmed Mode

The product can be programmed to come on when you want it every day of the week and you can set the desired temperature you wish the unit to reach/maintain, choosing between Comfort, Eco or Frost-Free.



In programmed mode the presence detector and the open window detection functions are disabled so that the product can correctly follow the temperature profile defined by the user.

LED Colours

There are 3 different led lights on the TF1800 Bathroom Fan Heater

LED light under the Frost-Free button: The LED is red when the frost free mode is activated. It is switched off when the frost free mode is disabled. The Light will flash when the Frost free mode was activated by the open window detection function.

LED light under the Programmed Mode button: The LED is red when the Programmed mode is activated. It is switched off when the Programmed mode is disabled.

LED light under the Stand-By button: The LED is red when the product is in the Comfort mode; and changes to green when the product is in the Eco mode; the LED switches off when the unit is in stand-by mode.

Programming your fan heater

Main ON/OFF Switch

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 and this will cause the loss of all stored information, after 30 minutes of the unit being turned off. We recommend to use this switch only when you are not using the product for long periods and instead to use the on / stand-by control for any short-term interruptions. In this way you will not lose the stored settings.



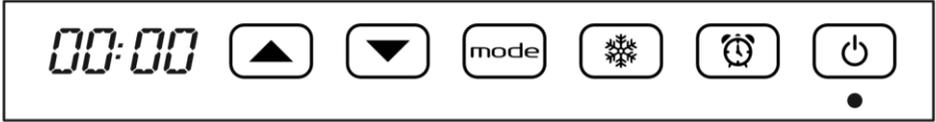
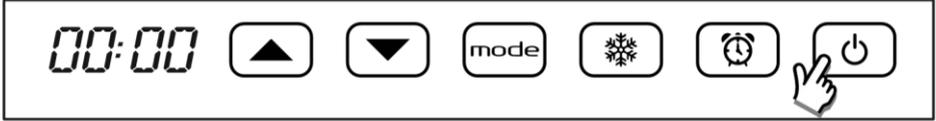
For the first use of the product or in case of power loss for over 30 minutes, when in the ON position, the display shows 00:00 and begins counting the time starting from this value. Should no adjustment be made within 15min after power up, the product will automatically switch to Frost free mode with the lighting of the corresponding LED.



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Stand-By Button

Use the Stand-By Button  to switch the unit ON or to put the unit into Stand-By mode. The LED beneath the Stand-By button will go on if it will be green when the unit is on.

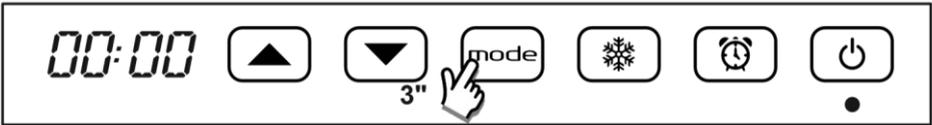


Setting the Time and Comfort Temperature

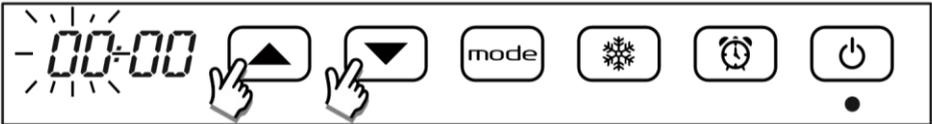
The following keys ,  and  will allow you to adjust the current hour and day of the week (1 = Monday), the Comfort temperature and to activate and deactivate the open window detection function.

The below example shows how to set the time at 08:30 and the Comfort Temperature at 25° and enable the open window detection previously disabled.

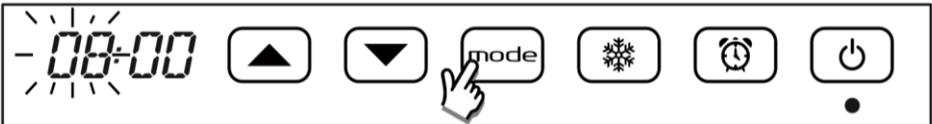
Press and hold the  button for 3 seconds to enter the settings menu:



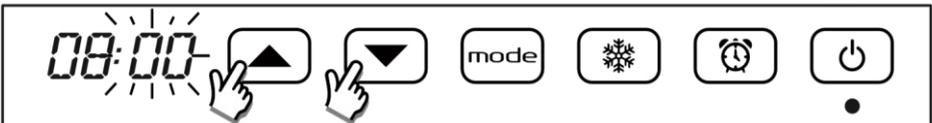
Set the time: The 2 digits of the hour start flashing: set the current hour using  and  buttons.



Press to  confirm

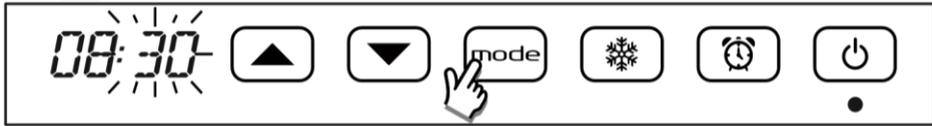


The 2 digits of the minutes start flashing: set the current minutes using  and  buttons

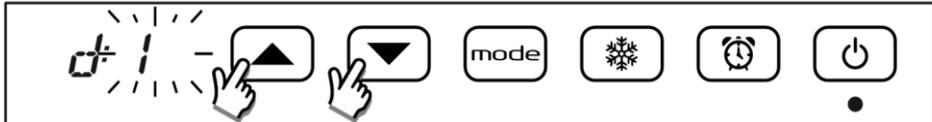


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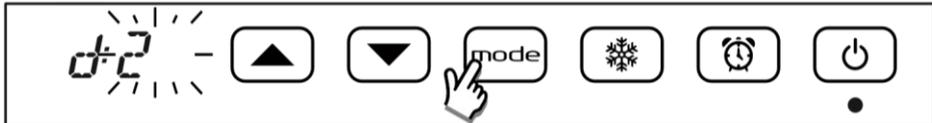
Press **mode** to confirm



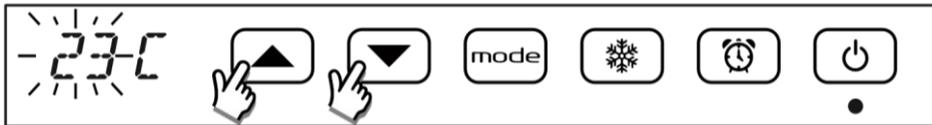
Set the day of the week (1 = Monday): After confirming the time, the day of the week starts flashing – set the current day of the week using **▲** and **▼** buttons



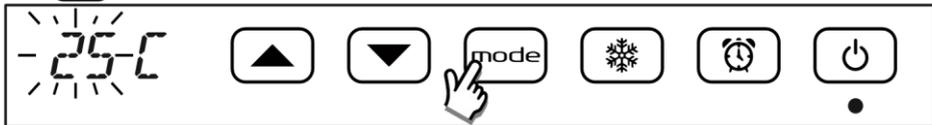
Press **mode** to confirm



Set the Comfort Temperature (Eco = Comfort - 3.5°C): After confirming the day of the week the comfort temperature will start flashing; set the desired temperature using **▲** and **▼** buttons



Press **mode** to confirm



Open Window Detection

The unit has a function which allows it to detect if a window is open automatically activating the Frost-Free Mode. When the function is enabled and an open window is detected, a red dot lights up on the upper right area of the display between the 3rd and the 4th digit.



If a temperature drop is observed in the room during the normal functioning, the Frost-Free mode is automatically activated to save energy consumption. The red light under the Frost-Free button flashes to show that the open window function has been activated.

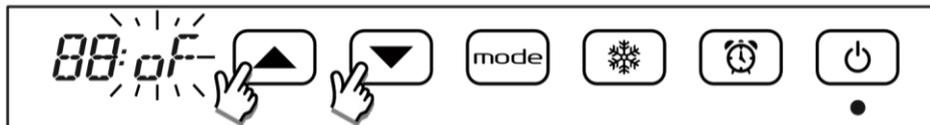


To reset the unit to normal setting is not automatic but can be achieved by pressing one of the five display buttons. Correct operation of this function may depend on where the radiator is positioned in the room, the presence of draughts, the outside temperature, and how long the window stays open.

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Activate the open window detection function

After confirming the comfort temperature, the window detection mode will start flashing the display shows 88:on if the mode is activated and 88:Of if it is deactivated. Set the desired mode using  and  buttons.



Press  to confirm



End of settings



Display / Change The Comfort Temperature

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

When in Eco mode, by pressing the  key the product will automatically turn back on Comfort temperature, without having to wait until the sensor detects the presence in the room for at least 2 minutes.

Should you wish to view and / or change the temperature of comfort without leaving the ECO mode first press the  key. The Eco mode is always indicated by the green power light.

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;
- the fixation to an external wall that, being normally colder than internal walls, may imply the measurement of a temperature lower than the real room temperature;
- a full load of towels 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. It is not possible, indeed, to evaluate the room temperature maintained by the product correctly if the comfort level temperature is continually changed in a short time.



If a 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 value of measured difference.

Understanding Your TF1800 Fan Heater

Weekly Program

The Programmed mode  allows the unit to be set to come on when you want the unit to come on every day of the week independently or the same and you can set the desired temperature at which you would like the unit to heat up to.

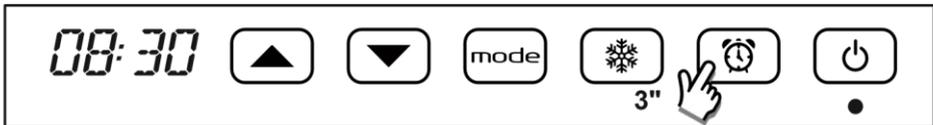
A short press of the button  allows you to activate/deactivate the programmed functioning. A long press (> 3") allows you to view and change menu. If the product is brand new the default program is the following:

Comfort mode from 06:00 to 08:00 on Monday-Friday; from 08:00 to 10:00 on Saturday-Sunday, and the rest of the time it is in Frost-Free mode.

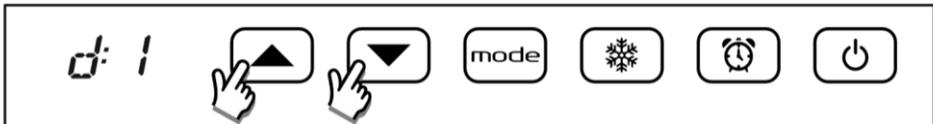
 Press the dedicated button to quickly activate the program mode!

To view/change the program proceed as follows:

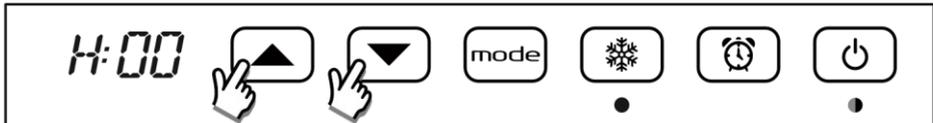
Press and hold the button for 3 seconds to enter the menu



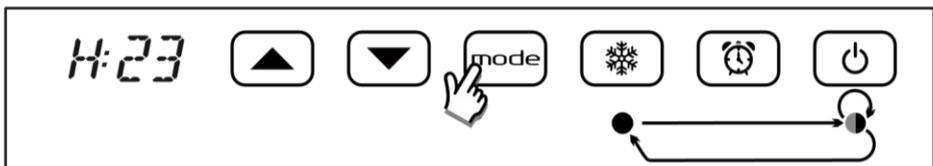
The display shows the day (1 = Monday). By pressing the  and  buttons, the hours of the day are shown starting from "00" (hour between 00:00 e le 00:59).



The temperature set for the selected hour is shown by the Frost-Free LED (temperature of 7°C), The Green LED under the Stand-by button (temperature Eco=Comfort -3.5°C) or the red LED under the Stand-by button (Comfort temperature set by the user):

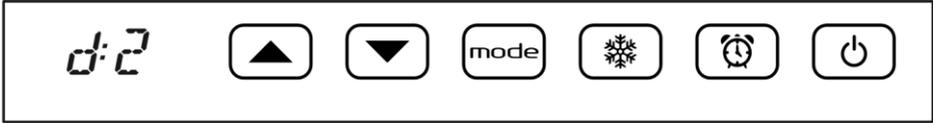
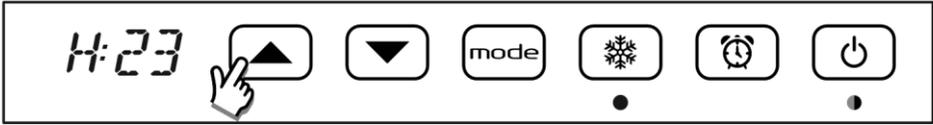


The temperature can be changed by pressing the  button. The LED Light corresponding to each different temperature (Comfort, Eco or Frost-Free) will light up in sequence to show the selected temperature.

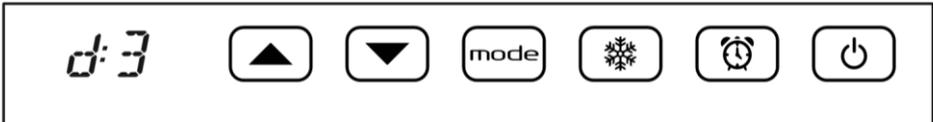
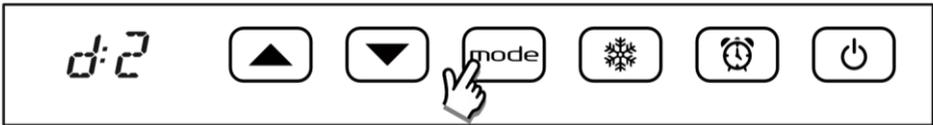


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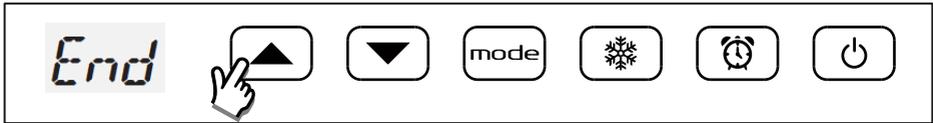
Use the button  and  to show/change the set temperature for each of the hours of Day 1. Once reached the last hour for the day the next press of the button  allows you to enter the programming for Day 2.



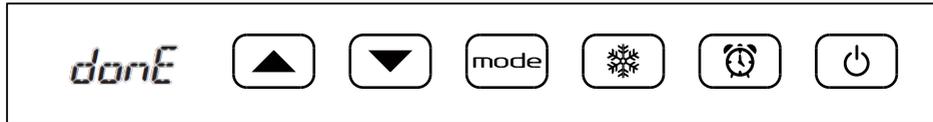
At this time, it is possible to show/change the temperature for all hours of Day 2 or to set Day 2 as the same as Day 1. To set Day 2 separately to Day one follow the above step. If you would like to have Day 2 the same as Day 1 press the button  once. Day 2 is now set the same as Day 1 and the programming moves on to Day 3. Follow these steps until you have programmed the heater for all 7 days of the week.



At the end of day 7 or at any time you wish to save or exit the settings press button  and the final confirm and the step is saved. The display will show "End" and the next press of the button  saves the program just modified.



The display shows the "Done" for a couple of seconds to confirm that the program is correctly saved. The Product goes in the mode programmed for the current time and day of the week.



Note

At any time, you can abandon the procedure for editing the program deleting unsaved changes by pressing the Stand-By Button
While programming the unit the heating elements are disconnected and the product will not heat.

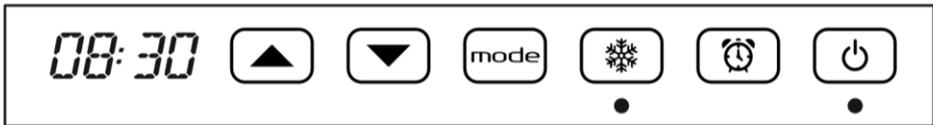
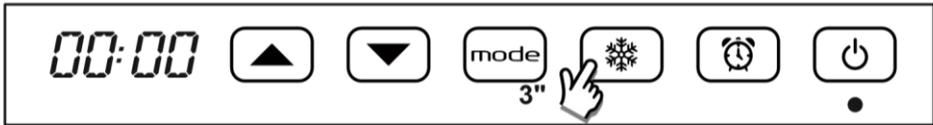
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Frost-Free Mode

To activate the FROST-FREE Mode hold the  button for 3 seconds. The thermostat is now set to maintain $7\pm 3^{\circ}\text{C}$.

To deactivate the FROST-FREE position just press the  or the  buttons.

FROST-FREE mode will activate automatically when no one has been detected for at least 36 hours. In this case, the comfort temperature will be automatically activated once presence is detected again.



Troubleshooting

In the event of overheating, the safety device on the appliance automatically disables 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-up of dirt).
- Turn on the fan heater again and check it works correctly.
- If the touch control commands are blocked or don't properly answer to digital pressure, turn off the heater using the electromechanic switch on the left side of the heater. Then turn on the heater using the same switch.

Technical Data

Supply Voltage	230V
Wattage	1800W
Warranty	2 Years
IP Rating	IP24
Width	270mm
Height	450mm
Depth	110mm
Heating Capacity	10-15 m ²



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