



PLEASE ENSURE YOU HAVE READ  
AND FULLY UNDERSTOOD THIS  
GUIDE BEFORE INSTALLATION!

# TF1800 Thermofan Installation Guide

YOUR STEP-BY-STEP GUIDE TO  
THE PERFECT INSTALLATION

**thermofan**  
BATHROOM FAN HEATERS

## Introduction

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.

### ! IMPORTANT SAFETY REGULATIONS !

#### DO

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

#### DO NOT

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

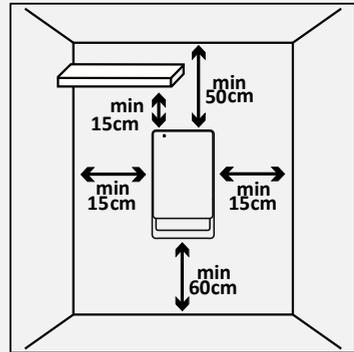
## Positioning

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.



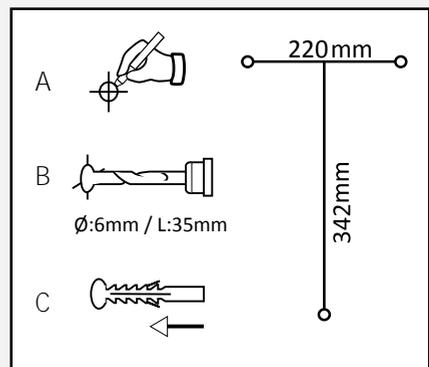
## Installation

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.

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.

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.

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:

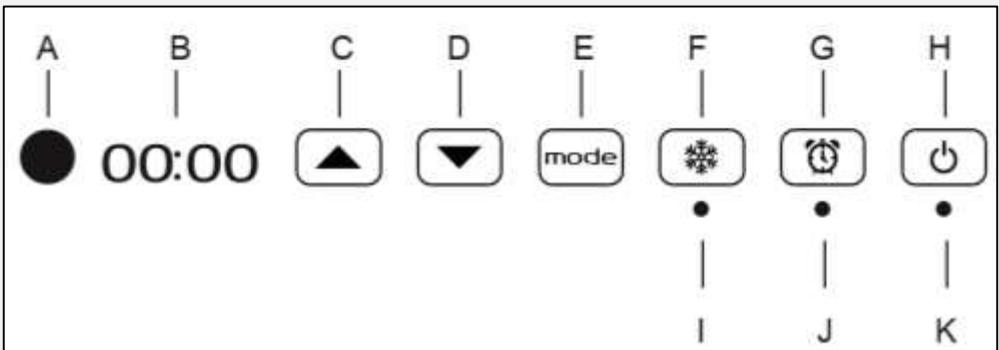
The TF1800 is fitted with a filter to protect the heating elements from dust and dirt. The filter is removable for easy cleaning and maintenance and can be accessed from the right side of the unit. To keep the unit in perfect condition we recommend that the filter is cleaned at least every six months.

### 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.

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/maintained, 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.

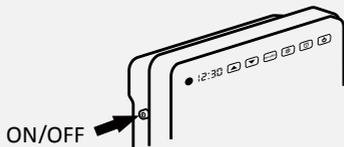
## Programming Your Fan Heater

#### 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.



### 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.



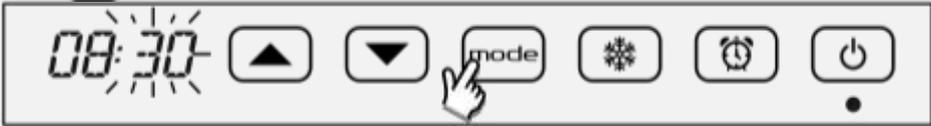
Press to  confirm



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



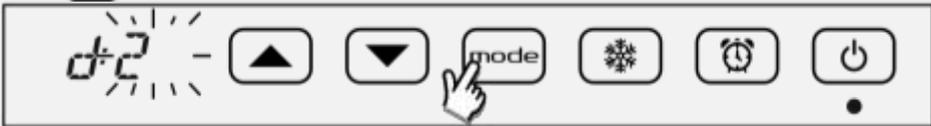
Press to **mode** confirm



**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



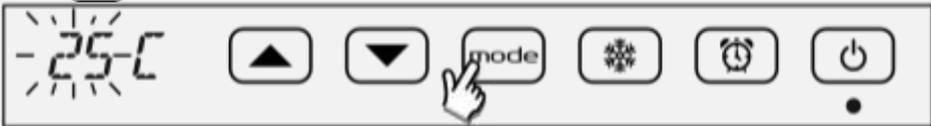
Press to **mode** confirm



**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 to **mode** 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 3<sup>rd</sup> and the 4<sup>th</sup> 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.



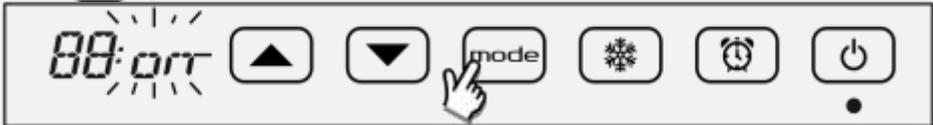
To reset the unit to normal setting is not automatic but can be achieved by pressing one of the five display buttons. Correct operation of this function may depend on where the radiator is positioned in the room, the presence of draughts, the outside temperature, and how long the window stays open.

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 88:0f 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.

## 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 (mode) button. The LED Light corresponding to each different temperature (Comfort, Eco or Frost-Free) will light up in sequence to show the selected temperature.



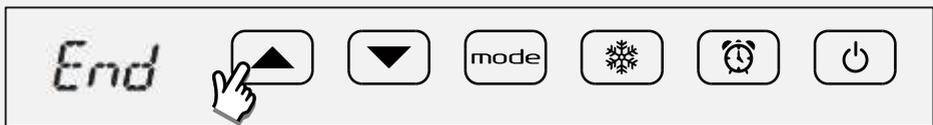
Use the button  and  to show/change the set temperature for each of the hours of Day 1. Once reached the last hour for the day the next press of the button  allows you to enter the programming for Day 2.



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.



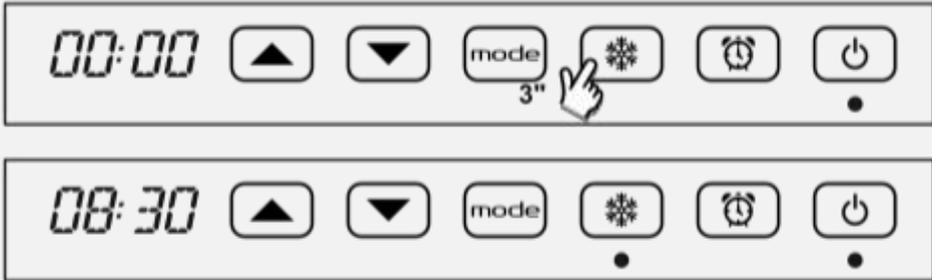
Note  
At any time, you can abandon the procedure for editing the program deleting unsaved changes by pressing the Stand-By Button  
While programming the unit the heating elements are disconnected and the product will not heat.

## 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 <sup>2</sup>

## Product Features

- Safe & silent
- Slimline Bathroom Fan Heater (11cm thick)
- Touchscreen Controls
- Removable Filter
- Presence sensor for energy savings
- IF24 splash protection
- Double electrical insulation
- Plug in or concealed wiring
- Integrated Towel Rail
- 4 Hidden Hooks for extra towels
- Frost Free Function
- Made in Italy



## Warranty

Thermogroup covers all its products with a satisfaction guarantee. In addition Thermogroup will supply a replacement product where a fault is shown to be caused by manufacture, materials or workmanship providing the goods have been installed correctly and according to installation instructions. This guarantee does not include removal, freight or installation costs. Thermogroup's products come with guarantees that cannot be excluded under Australian Consumer Law and you are entitled to a replacement or refund for a major failure & compensation for any other reasonable foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

The TF1800 Fan Heater has a 2 year warranty. To use the warranty, repair or service the customer must provide purchase invoice/receipt, and any other relevant details.

If the product develops a fault within the warranty period due to normal wear and tear, Thermogroup at its discretion will recognise whether it's a faulty product or not. If it is impossible or not economical for the manufacturer to repair the product, the manufacturer will replace the faulty product with a new unit of the same model or if there is no stock available of the same model as the product, the manufacturer will replace the product with a new unit of a similar size. No responsibility can be taken for altered dimensions and lining up of existing holes.

The repair service offered within the warranty period only covers the faults and problem as developed from the manufacturer's errors. Any damage caused by improper use or carelessness or incorrect wiring is not covered.

Thermogroup is not responsible for any monetary loss or injuries caused by improper use of this product.

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Open 07:30 – 17:00 Mon – Fri

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Need to find us or want to write a letter to say hello? Feel free to contact us.

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