

AIRMASTER
HEATING & VENTILATION

DOWNFLOW BATHROOM HEATER - 2kW

WALL MOUNTING - THERMOSTATIC CONTROL - LOT20 - REMOTE CONTROL

220-240V~50Hz



INTERIOR
USE ONLY



THERMAL
PROTECTION



POWER
CONSUMPTION



INGRESS
PROTECTION



Product Code: **BFH2LT**

INSTRUCTION MANUAL



 **CED ELECTRICAL GROUP**

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IMPORTANT SAFEGUARDS

Before use, please read and follow these instructions carefully, even if you feel you are familiar with the product. They contain important information concerning product operation, safety and maintenance. Please retain instructions for future use and reference.



1. Warning: In order to avoid overheating, do not cover the heater.

2. When first installed you may experience a burning smell or a little smoke, this is normal and will fade within a few minutes.

3. Only connect the product if the voltage indicated on the product label(s) corresponds with the mains voltage.

4. Do not disconnect the product by pulling on the cord. To disconnect, pull the plug (if have), not the cord.

5. If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.

6. 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.

7. The heater must not be located immediately below a socket-outlet.

8. Do not use this heater in the immediate surroundings of a bath, a shower or a swimming pool.

9. To protect against fire, electrical shock and injury, do not immerse the appliance power cord or plug (if have) in water or any other liquids.

10. This product has an overheat protection safeguard that turns off the heater. If it does overheat, switch the heater off, disconnect the heater from wall socket and allow to cool for 45 minutes. The heater can then be switched on again. Carefully check prior to use that the reason for overheating was not curtains, clothing, furniture etc. covering any of the heaters air vents.

11. Turn off the appliance and disconnect when not in use. Allow to cool down prior to cleaning. Use a damp cloth for cleaning and finish with a dry cloth. Do not use cleaning chemicals.

12. Children of less than 3 years should be kept away unless continuously supervised or perform user maintenance.

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 aged from 3 years and less than 8 years shall not plug in, regulate and clean the appliance

13. 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.

14. This appliance is intended for indoor use only.

15. Never use the heater to dry clothing or similar items. Do not handle the plug (if have) with wet hands.

16. A means of disconnection from the power supply having a contact opening distance of all poles must be included in the fixed wiring in accordance with the installation requirements.

17. Ensure the heater is installed by a qualified tradesman/electrician.

18. This product must be installed in accordance with the IEE wiring regulations and current building regulations.

19. Ensure the appliance is level and securely fixed to the wall. The appliance should have a minimum air gap of 150mm on all sides.

For disposal, this product must be taken to an authorized site for the recycling of electrical and electronic appliances. By collecting and recycling waste, you help save natural resources and ensure the product is disposed of in a safe and environmentally friendly way.



Installation Instructions

Important: This appliance is designed only for wall mounting.

1. Choose position carefully for mounting the appliance, enough space must be left around appliance. The appliance must be installed at least 1.8 meters above the floor, with 200mm clearance at either side. See illustration showing in Fig. 1 for which Zone(s) it is permissible to install this appliance.

NOTE: DO NOT install this appliance in Zones 0, 1 or 2. Please install it outside of these zones.

2. Check the wall to ensure there is no wiring, pipework etc in the area to be drilled. Drill two 6mm holes on the wall at a distance of 19cm on a horizontal line (Fig. 2)

Fig. 1

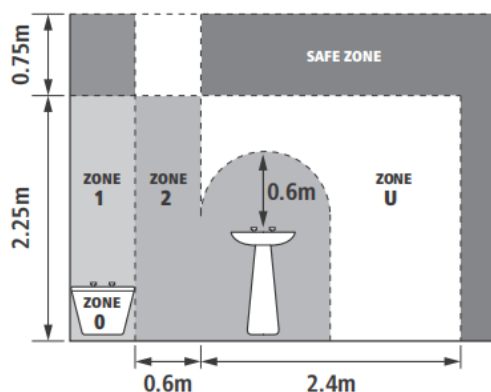
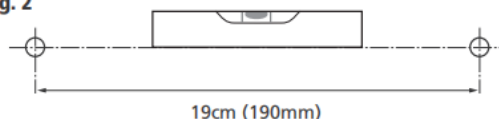


Fig. 2



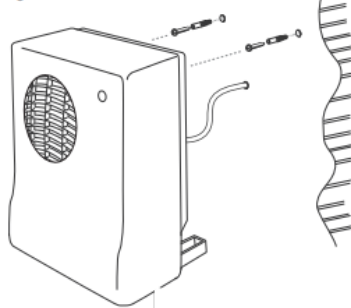
3. Insert the two wall plugs into the two holes, and then screw the two ST3.9x30mm screws provided into the holes. (see Fig 3).

Do not screw these two screws fully in as the appliance will hang on them later. As a guide they need to be left protruding by about 3.5mm.

4. Hang the appliance on the two screws, using the keyhole slots. It may be necessary to mount and dismount the appliance a few times, slightly tightening and/or loosening the screws as required, to ensure a snug fit.

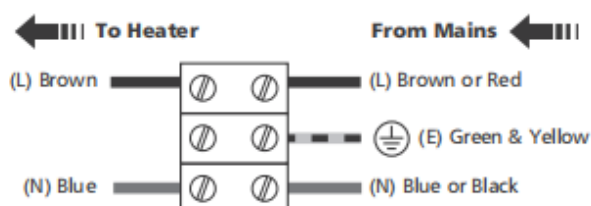
5. For the electrical connection isolate the mains supply and connect the electrical wires of this appliance to a suitable RCD protected fused connection unit according to the following colour code (see Fig 4):

Fig. 3



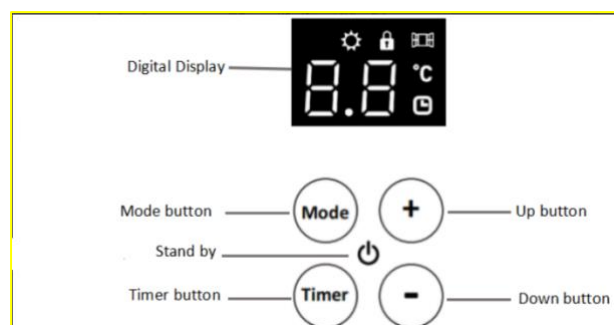
Blue - Neutral
Brown - Live

Fig. 4

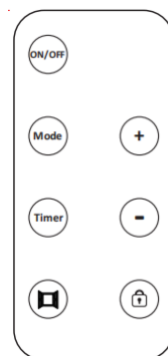


Operation Instruction

Control panel



Remote control



1. General

When first powering the heater, you will hear a beeping sound and the LED display will be bright 2 seconds and extinguish.

The factory default:

Work mode: H (The power is 2000W in 240V).

High level heat temperature 20°C - adjustable from 5°C to 35°C.

Low level(Anti-frost mode) heat temperature 5°C - non-adjustable.

Day: Monday Time: 12:00

To re-set the appliance to factory setting press and hold the "Mode & +" buttons.

This will remove any amendments previously made.

2. Start/Stop

When the appliance is connected to the mains power supply, press the 'Stand by' button on the control panel or the remote control to start/ stop it.

3. Selecting the Work Mode

When the appliance turn on, press the Mode button to select the work mode.


Tips: When you use the 'Mode' button on the remote control to select the work mode, you can't select the UP mode but H/L/F. Press '□' button on the remote control to select the open window mode.

H Mode: The digital will display 'H'. In this mode, the heating element will work in high setting(Power = 2000W). You can press '+' or '-' to adjust the set temperature from 5-35°C.

L Mode: The digital will display 'L'. In this mode, the heating element will work in low setting(Power = 1000W). You can press '+' or '-' to adjust the set temperature from 5-35°C.

Fan Mode: The digital will display 'F'. In this mode, only fan function and the heating element won't work.


UP Mode: The digital will display 'UP'. In this mode, you can set the 7days heating programme and the time of appliance. You can press '+' or '-' to adjust the set temperature from 5-35°C. During the heating time of appliance, the heater will work at high setting (Power = 2000W).

Open window Mode: The digital will display 'H' and '

4. Setting the Temperature

When LED display show the current set temperature.

Press the "+" or "-" button to choose the required temperature, (5°C to 35°C).


When the heater is in the mode of H / L / Open window and the time of appliance in UP mode, the symbol  will be shown on the LED display.

5. Setting Timer to power off

When in H/L/F mode, repeat to press 'Timer' button on the control panel or the remote control, to set the timer from 0hour, 0.5hour, 1hour, 1.5hours ... 7.5hours, 8hours.

6. Setting the Day & Time at UP mode

When the appliance is first installed, or disconnected from the mains supply, the Day and Time will need to be reset. Press the Mode button until enter the 'UP' mode.

The LED display will display 'd.1' and the icon  flash . Tips. d.1 denotes the day of the week: 1. Monday / 2. Tuesday / 3. Wednesday / 4. Thursday / 5. Friday / 6. Saturday / 7. Sunday.

Press '+ or -' button to choose the correct day.

Once the correct day has been selected Press the "Timer" button.

You are now setting the current time. The screen will display "12".

Use the "+" or "-" button to choose the correct hour, (0 to 23).

Press the "Timer" button to confirm the setting of the current hour.

The screen will display "00".

Use the "+" or "-" button to choose the correct minute (0 to 59).

Press the "Timer" button once more to save the setting of the current minute.

The LED window will return to the set temperature. The  will disappear.

-For checking and resetting the time:

Press and hold "Mode" button. The 'd.X' will display.

Press 'Timer' to check the hour and repeat to check the minute.

If need resetting, press '+ or -' to reset.

7. The settings for the user defined program 'UP'

The "UP" programme allows the appliance to be programmed to switch from low to high heat output settings at required times. Each day of the week can have different settings.

Tips:

- When the heater is working in the high heat level, it will work based on the set temperature which is adjustable from 5°C to 35°C.
- The Low level(Anti-frost mode) heat temperature is 5°C and non-adjustable.

Programming the high level heating settings for the “UP” program:


1. Press the “Mode” button until “UP” is displayed on the LED display.
2. Press and hold the “Timer” button for 3 seconds, the LED display will show “d.1” .
You are now setting a schedule for Monday.
3. Press the “Timer” button (within 2 minutes), the LED display will show “01”. You are now setting the period of your schedule.
4. Press “+” or “-”, to adjust starting hour.
5. Press the “Timer” button, to confirm the starting hour and the screen will display the next hour after the starting time, this will be the end time of the schedule period, then press “+” or “-” until you reach the required end time.
6. Press the “Timer” button to save the period on Monday, the LED display will now show “d.2”. You are now setting the Tuesday period of your programme.
7. Repeat step 3 to 6 to set the 7 day periods.
8. If all days have been set the unit will save the setting and will revert back to the LED display, showing the set temperature.

PLEASE NOTE: If no buttons are pressed within 2 minutes or you press the “Prog” button, it will quit setting and LED Display will show the set temperature once again

Checking the “UP” Program Setting

1. Press the “Mode” repeatedly until “UP” is displayed,
2. Press “Timer”, the LED window will then display “d.1”, press “+” or “-” to choose d1. d2. d3. d4. d5. d6. or d7 to view the day you require.
3. Press “Timer”, the LED display will show “xx”, it’s the starting time
4. Press “Timer”, the LED display will show “yy”, it’s the ending time.
5. Press “Timer”, the LED display will show set temperature again.

8. Child lock

To help protect the appliance from unwanted tampering of temperature and schedules a ‘Child Lock’ function is available. This can be activated and deactivated by holding the ‘+ and -’ button for 3 seconds, icon will  be displayed when active. All buttons will be locked.



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

Item	Symbol	Value	Unit	Item	Unit
Heat output				Type of heat input, for electric storage local space heaters only (select one)	
Nominal heat output	P_{nom}	2.0	kW	manual heat charge control, with integrated thermostat	[no]
Minimum heat output (indicative)	P_{min}	0.9	kW	manual heat charge control with room and/or outdoor temperature feedback	[no]
Maximum continuous heat output	$P_{max,c}$	2.0	kW	electronic heat charge control with room and/or outdoor temperature feedback	[no]
Auxiliary electricity consumption				fan assisted heat output	[no]
At nominal heat output	el_{max}	0	kW	Type of heat output/room temperature control (select one)	
At minimum heat output	el_{min}	0	kW	single stage heat output and no room temperature control	[no]
In standby mode*	el_{SB}	0.00016	kW	Two or more manual stages, no room temperature control	[no]
				with mechanic thermostat room temperature control	[no]
				with electronic room temperature control	[no]
				electronic room temperature control plus day timer	[no]
				electronic room temperature control plus week timer	[yes]
				Other control options (multiple selections possible)	
				room temperature control, with presence detection	[no]
				room temperature control, with open window detection	[yes]
				with distance control option	[no]
				with adaptive start control	[no]
				with working time limitation	[yes]
				with black bulb sensor	[no]