

2kw Downflow Fan Heater

Installation and Operating Instructions

Key Features:-

- Stylish, compact design
- 2kW maximum output
- 1kW output selectable on installation
- Pull cord operation
- IPX2 rated for bathroom use
- Pre-set step down thermostat to 1kW
- Visual ON/OFF indicator

IMPORTANT: THESE INSTRUCTIONS SHOULD BE READ CAREFULLY AND RETAINED FOR FUTURE REFERENCE

Important Safety Advice

WARNING - DO NOT USE THIS HEATER IN THE IMMEDIATE SURROUNDINGS OF A BATH, A SHOWER OR A SWIMMING POOL.

DO NOT COVER THE APPLIANCE or place material or garments on it, or obstruct the air circulation around this appliance, for example with curtains or furniture, as this could cause overheating and a fire risk.

DO NOT PLACE AEROSOLS OR OTHER CONTAINERS SUSCEPTIBLE TO HEAT IN THE DIRECT AIRFLOW FROM THE UNIT. THIS HEATER MUST NOT BE LOCATED IMMEDIATELY BELOW A FIXED SOCKET OUTLET. WARNING – DISCONNECT THE HEATER FROM THE ELECTRICITY SUPPLY BEFORE UNDERTAKING SERVICE OR REPAIR.

WARNING

If the appliance is fitted in a bathroom, a cable outlet will be necessary with the supply to the unit controlled by a double pole switch. The switch if inside the bathroom should be pull cord operated and if outside should be adjacent to the entrance door. The appliance must be mounted so that no part of it can be touched by any person using bath or shower.

THIS HEATER MUST NOT BE OPERATED WITHOUT THE COVER CORRECTLY IN POSITION.

General

The heater has a loading of 2KW. It is designed for permanent wall mounting and is suitable for operation on A.C. electricity supply having the same voltage as shown on the rating label. The heater is fitted with an internally mounted selector switch which on installation of the heater allows a choice of 1kW or 2kW output to suit the dimensions of the room to be heated. In rooms of less than 9 – 11 cubic m. (350 - 400 cubic ft.) 1kW output should be selected, otherwise nuisance tripping of the thermal overload cut-out may occur.

NOTE : THE SWITCH HAS BEEN FACTORY SET FOR 2kW OPERATION. SUPPLY CABLE IS NOT SUPPLIED WITH THIS APPLIANCE AND IT SHOULD THEREFORE BE INSTALLED BY A COMPETENT ELECTRICIAN IN ACCORDANCE WITH IEE REGULATIONS.

The Controls

The **pull cord switch** operates the ON/OFF switch inside the heater. An indicator light will illuminate when the heater is ON and the indicator will NOT illuminate when the heater is switched off.

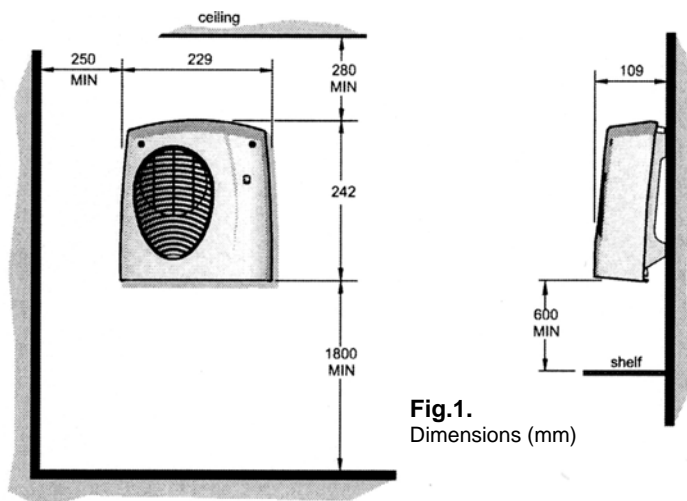


Fig.1.
Dimensions (mm)

NOTE: Only a gentle pull is required. DO NOT pull the cord hard as damage to the sensitive micro-switch inside the heater may occur.

Adjustable thermostat

The heater is fitted with an adjustable thermostat which has three different settings:

- 1 –Low
- 2 –Medium
- 3 –High

This gives you an approximate room temperature range of 18°C - 32°C depending on your room size. The heater is preset to the '2 – medium' setting. To adjust the thermostat setting, remove the front cover and adjust the thermostat dial to the desired setting (see **Fig. 3** on page 2).

2kW setting

Once the room has warmed sufficiently the heater will automatically switch down to 1kW heat output and will continue to heat indefinitely.

1kW setting

You can permanently change the heat setting manually from 2kW to 1kW by removing the front cover and sliding the selector switch to the 1kW setting (see **Fig. 3** on page 2).

NOTE: The thermostat will NOT switch the heater ON and OFF and performs as follows:

2kW setting – heater switches down to 1kW and heat and fan output continue.

1kW setting – heat and fan output continue.

The heater will only switch off when abnormal overheating occurs. See '**Safety**' section below.

Safety

Cut-Out

For your safety, this appliance is fitted with a thermal cut-out. In the event that the product overheats, the cut-out switches the heater off automatically.

To bring the heater back into operation, remove the cause of over heating, then turn off the electrical supply to the heater for a few minutes. When the heater has cooled sufficiently reconnect and switch on the heater.

Fuse Link

A thermal fuse link is provided as an added safety feature. If the fuse link operates and opens circuit it is the result of abnormal overheating within the appliance. To ensure the future safe operation of the appliance customer service should be contacted.

Installation

Before undertaking installation work, ensure the electricity supply is disconnected from any relevant fixed wiring. Supply cable is not supplied with this appliance and it should therefore be installed by a competent electrician in accordance with the IEE wiring regulations. The supply circuit must be adequate for the input of the appliance and must be protected with a 13A fuse.

A suitable termination to the fixed wiring of the premises must be provided adjacent to the final position of the appliance through a double pole switch having a contact separation of at least 3mm in all poles. Installation Procedure It is essential to observe minimum wall mounting clearances, as per Fig.1 overleaf.

The appliance should be fitted horizontally, with the cable entry at the top and grille at the bottom. It must be mounted not less than 1.8 metres above the floor with a clearance of at least 600mm to any shelf or projecting surface below the heater and not less than 280mm below the ceiling or other projecting surface. It must also be not less than 250mm from an adjacent projecting surface. For most effective heating performance, the heater should be mounted at the minimum height:-

i.e.- 1.8 metres above the floor.

Care must be taken to ensure that when in use, the air stream is not obstructed by a high shelf or cabinet.

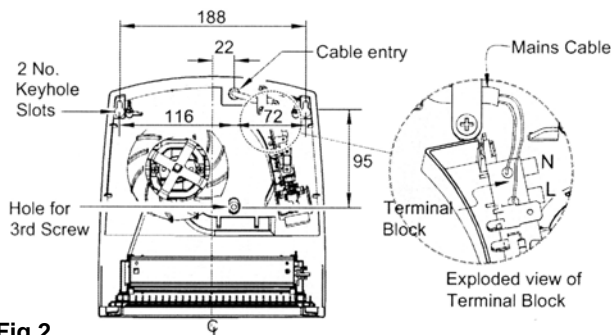


Fig.2.

The appliance is secured to the wall with three screws, two through keyhole slots and one through a centrally positioned lower hole to hold the appliance firmly in position (see Fig. 2).

1. Remove the top cover from the appliance by removing the two screws securing the top cover and hinging it back.
2. Mark the position of the keyhole slots on the wall and drill and plug for the two suitable screws.
3. Partially insert the two screws, then hang the appliance on these screws and mark the position of the lower centrally positioned screw.
4. Remove the appliance and drill and plug for the third screw.
5. Remount the appliance on the wall, ensure that it is horizontal and fix in position by tightening all three screws.
6. Feed the supply cord or wires through the inlet at the top rear of the appliance leaving sufficient free length to connect to the terminal block.
7. Make electrical connections to the terminal block ensuring that the live connection is made to the terminal marked 'L' and the neutral connection to the terminal marked 'N' (see Fig. 2 exploded view).
8. Operate the selector switch to provide either 1kW or 2kW output.
9. Replace the top cover and screws.

The appliance is now ready for use and the electricity supply can be reinstated.

Controls

The heater is fitted with a pull cord operated ON/OFF switch, a thermostat, a cut-out, and a thermal fuse link. The heater has an internal adjustable thermostat which can be adjusted by installer (i.e. the top cover has to be removed), see

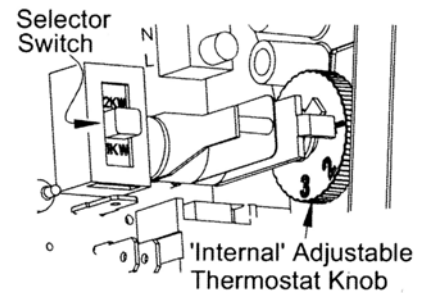
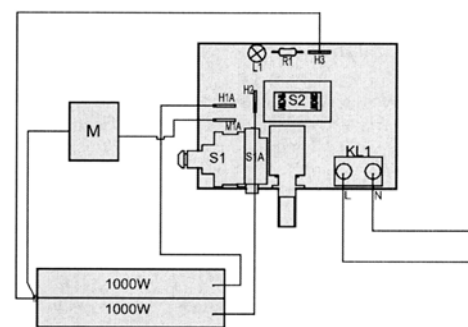


Fig.3 for controls details with cover removed.

Fig.3.

Temp. range 18°C - 32°C.



WIRING DIAGRAM

Cleaning and User Maintenance

WARNING: BEFORE UNDERTAKING CLEANING OR MAINTENANCE WORK ON THE APPLIANCE IMMEDIATELY DISCONNECT THE ELECTRICITY SUPPLY BY SWITCHING OFF AT THE ADJACENT DOUBLE POLE SWITCH.

The outside can be cleaned by wiping it over with a soft damp cloth and then dried. Do not use abrasive cleaning powders or furniture polish as this can damage the surface finish.

Recycling

For electrical products sold within the European Community. At the end of the electrical products useful life it should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice in your country.

After Sales Service

Your product is guaranteed for one year from the date of purchase. Within this period, we undertake to repair or exchange this product free of charge provided it has been installed and operated in accordance with these instructions. Your rights under this guarantee are additional to your statutory rights, which in turn are not affected by this guarantee.

Should you require after sales service you should contact our customer services help desk on 0844 856 0594. It would assist us if you can quote the model number, date of purchase, and nature of the fault at the time of your call. Please retain your receipt as proof of purchase.

The product complies with the European Safety Standards EN60335-2-30 and the European Standard Electromagnetic Compatibility 3 (EMC) EN55014, EN60555-2 and EN60555-3. These cover the essential requirements of EEC Directives 2006/95/EC and 2004/108/EC