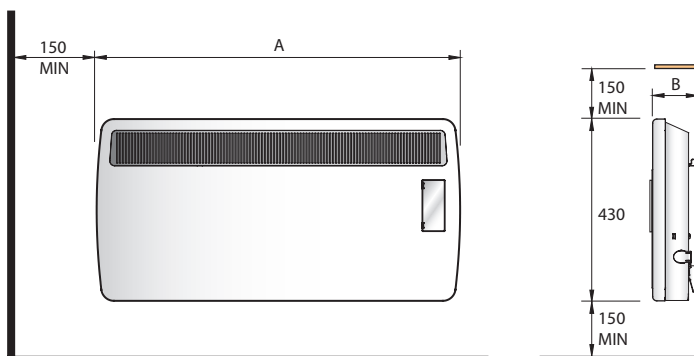


Panel Heaters

Dimensions (millimetres)

Model(s)	Watts	A	B
PH 075	750	620	108
PH 125	1250	688	108
PH 150	1500	688	108
PH 200	2000	860	108
PH 075T	750	620	108
PH 125T	1250	688	108
PH 150T	1500	688	108
PH 200T	2000	860	108

Fig. 1



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

Important Safety Advice

When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electrical shock, and injury to persons, including the following:

IMPORTANT – The wall brackets supplied with the appliance must be used.

IMPORTANT – If the heater is installed in a room containing a bath or shower, it must be so installed that switches and other controls cannot be touched by a person using a bath or shower.

Do not use outdoors.

Do not locate the heater immediately below a fixed socket outlet or connection box.

Do not cover the heater. Do not place material or garments on the heater, or obstruct the air circulation around the heater, for instance by curtains or pushing furniture up against the heater, as this could cause overheating and a fire risk.

NEVER cover or obstruct in any way the heat outlet slots at the top of the heater or the air inlet slots in the base of the heater.

WARNING – THE SURFACES OF THIS HEATER CAN BE HOT. Momentary contact with any part of the heater should not cause injury. However, aged or infirm persons or young children should not be left unsupervised in the vicinity of the heater unless a suitable guard is fitted.

This appliance is not intended for use by children or other persons without assistance or supervision if their physical, sensory or mental capabilities prevent them from using it safely. Children should be supervised to ensure that they do not play with the appliance.

Note that due care and consideration must be taken when using this heater in series with a thermal control, a program controller, a timer or any other device that switches on the heat automatically, since a fire risk exists when the heater is accidentally covered or displaced.

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



WARNING: IN ORDER TO AVOID OVERHEATING, DO NOT COVER THE HEATER.

Electrical

WARNING – THIS APPLIANCE MUST BE EARTHED

The electrical installation must be carried out by a competent electrician, and be in strict accordance with the current I.E.E. regulations for Electrical Equipment in Buildings.

The heater is fitted with a length of flexible cable type H05VV-F size 3 x 1.0mm² on 0.75kW - 2.0kW models and size 3 x 1.5mm² on 3.0kW models, for connection to the fixed wiring of the premises through a suitable connection box positioned adjacent to the heater.

The supply circuit to the heater must incorporate a double pole isolating switch having a contact separation of at least 3mm.

Supplementary Earth Bonding

Should Equipotential Earth Bonding be required the earthing conductor in the supply cord is deemed to provide the supplementary bonding connection (see the 17th Edition of the I.E.E. Wiring Regulations).

General

The Panel heater is designed for wall mounting on the wall brackets supplied. It should only be operated when in the upright position as shown.

All models are splash proof to IP24 standard.

PH...T models are fitted with a 24 hour programme timer.

Before connecting the heater check that the supply voltage is the same as that stated on the heater.

Wall Mounting

IMPORTANT – The wall brackets supplied with the appliance must be used. The heater should be positioned observing the minimum clearances stated around the heater - see Fig. 1.

DO NOT locate the heater immediately below a fixed socket outlet or connection box.

1. Remove wall mounting bracket from the back of the heater by depressing the spring latch at the top of each bracket - see Fig. 2.
2. Fix the wall bracket securely to the wall through the four screw holes provided.
3. Present the heater to the wall bracket, and engage lower slots in the back with bracket.
4. Raise the heater to upright position and push the heater onto brackets to engage top latch.

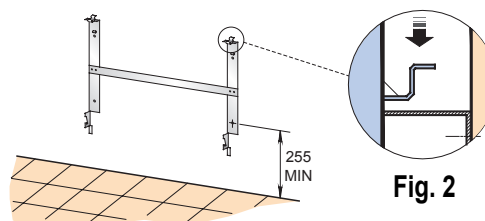


Fig. 2

Access to the controls

To open the hinged controls cover, insert the blade of a screwdriver in the small slot on the right hand side of the cover, and gently lever the screwdriver outwards. On the 3kW model the controls are located on the top right hand corner, but the operations and functions are the same as the other models. Note: After adjustment of the controls the control cover must be closed.

Operation - Timer Models

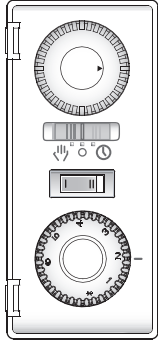


Fig. 3

The slide switch on the timer unit controls the electricity supply to the heating elements.

The switch marked **I - II** (half heat – full heat) provides a choice of output as desired.

The heater is fitted with an adjustable thermostat enabling the room temperature to be controlled by adjusting the setting accordingly.

The thermostat has a minimum setting represented by .

Providing the appliance has been switched 'ON' the heater will come on when the surrounding temperature falls to approximately 6°C. This setting may be used for protection against frost.

Switch on the heater by setting the slide switch to the manual position. Turn the thermostat knob to max. and set selector switch (where fitted) to full heat, to warm the room rapidly.

When the room temperature has reached the desired level, turn the thermostat knob back slowly until the thermostat just clicks off. The heater will then maintain the room temperature at the chosen level, provided that the correct size of heater has been selected for the room to be heated.

To set the time of day

The heater must be connected to the electricity supply for the timer to operate. Set the timer by rotating the dial clockwise until the correct time of day is indicated opposite the datum mark. ►

Manual Operation

Set the timer switch to manual . The heater will now operate continuously under the control of the thermostat.

Automatic Operation

Set the timer slide to automatic . Switching times can be selected in 20 minute steps. Set the desired programme by gently pulling the appropriate segments out, proud of the dial face during the 'On' period. The timer may be set to give as many 'On' periods of any length as may be required. The programme will repeat itself every 24 hours until changed.

The programme may be over-riden at any time by switching to manual or to .

Operation - Non Timer Models

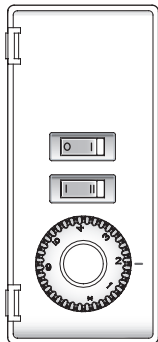


Fig. 4

The switch marked **O** and **I** controls the electricity supply to the heating elements. The OFF position is marked **O**.

The switch marked **I - II** (half heat – full heat) provides a choice of output as desired.

The heater is fitted with an adjustable thermostat enabling the room temperature to be controlled by adjusting the setting accordingly.

Thermostat

The thermostat has a minimum setting represented by . Providing the appliance has been switched 'ON' the heater will come on when the surrounding temperature falls to approximately 6°C. This setting may be used for protection against frost.

Switch on the heater and turn the thermostat knob to Max. and set selector switch (where fitted) to full heat, to warm the room rapidly.

When the room temperature has reached the desired level, turn the thermostat knob back slowly until the thermostat just clicks off. The heater will then maintain the room temperature at the chosen level, provided that the correct size of heater has been selected for the room to be heated.

Useful Hints

Should your heater fail to operate please ensure:

1. The thermostat setting is higher than the room temperature by turning the control knob to the maximum position.
2. The safety cut-out has not operated by following the procedure as detailed in 'Safety - Overheat protection'.

Safety - Overheat protection

For your safety this appliance is fitted with a thermal cut-out. In the event that the product overheats for some reason, the cut-out prevents excessive temperatures on the product by cutting the power to the heater. Once the heater has cooled down, it will reset automatically, it will continue to cycle on and off automatically until the reason for overheating is removed.

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.

Cleaning

WARNING – ALWAYS DISCONNECT FROM THE POWER SUPPLY BEFORE CLEANING THE HEATER.

Before commencing cleaning, switch off the heater and allow it to cool. Disconnect the electricity supply to the appliance.

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.

To release heater from the wall bracket for cleaning or redecoration, depress latch on both brackets and hinge forward.