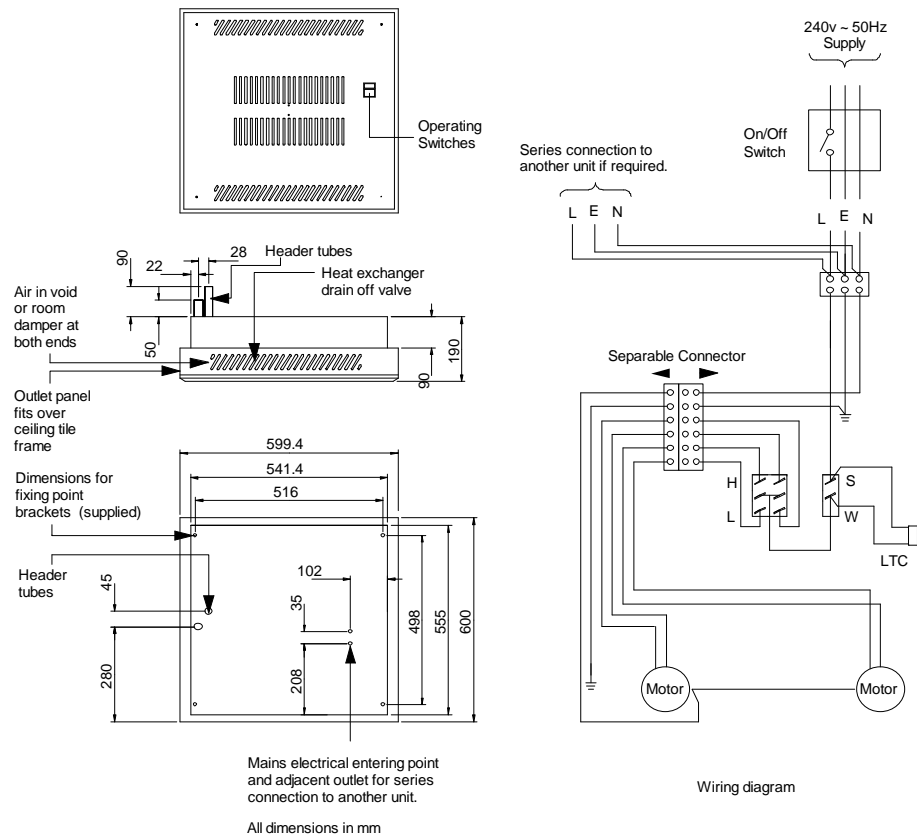




# SKYLINE® CT18 INSTALLATION & USER GUIDE



Products with this symbol (crossed out wheeled bin) cannot be disposed as household waste. Old electrical and electronic equipment must be recycled at a facility capable of handling these products and their waste by-products. If you are purchasing replacement equipment your retailer may offer a 'take back' scheme, or will be able to give details of the nearest approved authorised treatment facility. Proper recycling and waste disposal will help conserve resources whilst preventing detrimental effects on our health and the environment.

WEEE Registered Code : WEE/ED0093VW

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The heater appliance is designed to fit either directly to the ceiling or suspended through a 600mm x 600mm tile surround. The MAXIMUM recommended height from floor to underside of unit must not exceed 3.2 metres. When installing in a suspended ceiling the appliance must be supported by chains or threaded rods. Do not attempt to fix the unit to the ceiling tile frame.

**THIS HEATER APPLIANCE MUST NOT BE USED IN BATHROOMS OR SIMILAR HIGH HUMIDITY AREAS.**

**INSTALLATION**

This appliance is supplied with four mounting brackets, and two internal air blanking plates. The blanking plates are intended for diverting inlet air from the ceiling void or the room space in suspended ceilings only. Discard if fitting direct to the ceiling. An air inlet spigot and a remote wall mounted room thermostat are available as accessories.

**PREPARATION**

Ensure the mounting surface is capable of supporting this heater appliance and that the area provides a clearance of at least 600mm on all four sides.

When installing this heater appliance into a false or suspended ceiling, suitable suspension chains or rods (6 mm dia., threaded) will be required for attachment from the top of the heater appliance to the rigid or solid surface above the mounting area. When using this installation technique, it is recommended the four fixing points at the top corners of the heater appliance be used to minimise movement.

Remove the fascia fixing screws. Store these in a safe place until required.

Open the fascia that is hinged with plastic straps.

Remove the blanking plates and screws from inside the unit.

An installation point for the heater appliance control switch must be selected. The area must be free from moisture and no higher than 2 metres from the floor. An electrical cable is required from the power supply to the control switch and also from the control switch to the heater appliance (see under Electrical Connections).

**TO MOUNT THE HEATER APPLIANCE DIRECT TO THE CEILING**

Ensure the surface is of suitable material to support the unit & adequate space is left for header tubes and pipe connections.

Secure the heater appliance to the ceiling using the fixing brackets.

Push unit up until brackets click in place, ensure bottom of bracket has engaged in slot on unit housing.

Insert locking screws and tighten.

Insert the mains electrical supply cable through one of the cable grommets on the top of the appliance. Leave an adequate length for connection to the terminal strip. For multiple installations, refer to the wiring diagram.

**TO MOUNT THE HEATER APPLIANCE VIA SUSPENSION RODS OR CHAINS**

Screw the four fixing brackets in place.

Cut the suspension chains or rods to the required length for the installation. Secure to the mounting surface. If the mounting area is to align with a false or suspended ceiling panel, then the holes must be centred to the panel.

Secure the lower ends of the chains or rods to the four brackets of the heater appliance.

Adjust the lengths of the chains or rods as necessary to ensure the heater appliance is true and level.

This appliance is set to take air from both the room and the ceiling void. The blanking plates can be fitted to enable the air to enter from the room or the ceiling void only.

Insert the mains electrical supply cable through one of the cable grommets on the top of the appliance. Leave an adequate length for connection to the terminal strip. For multiple installations, refer to the wiring diagram.

**PIPE WORK**

Connect the heating flow and return pipes to the appliance copper tails. We recommend the use of 22mm full-flow service valves. Smaller bore ball types are restrictive and can impede heat outputs. An air vent is recommended to eliminate any possible air locks.

**ELECTRICAL CONNECTIONS**

All electrical connections and installations must comply with BS7671 1992, and the I.E.E. regulations. Check that the voltage stated on the heater appliance is correct for your supply. If in doubt, consult a qualified electrician.

connect the mains electrical supply cable from a fused isolator (3 core, 1mm<sup>2</sup>) via the appliance control switch. Connect the mains electrical supply cable to the appliance terminal strip using the following wire colour codes;  
Connect the wire coloured brown or red to the terminal marked L. Connect the wire coloured blue or black to the terminal marked N. Connect the wire coloured green, or green & yellow to the terminal marked E. For multiple installations please refer to the wiring diagram overleaf.

Replace the fascia and secure with all the original screws.

**COMMISSIONING**

Hinge back the fascia to the original location and secure with the six screws.

Ensure the water temperature is hot enough to activate the low temperature cut out (LTC) set at 47°C and the circulating pump duty is adequate to provide sufficient water flow through the appliance.

**UNIT OPERATION**

This heater appliance has 3 different controls.

1. An internal low temperature cut out thermostat, not operated by the user.
2. A single fascia rocker switch for the user to operate the fans for air circulation only.  
Press 'I' to operate the fans without the heating system on. Press 'O' to operate the unit as a heater only.
3. A double fascia rocker switch for the user to operate the fan speeds. Normal / Off / Boost.  
Press 'I' for normal fan speed, press 'O' for off, press 'II' for boost fan speed.

**ROOM THERMOSTAT CONTROL**

This heater appliance may be run via a Smith's remote wall mounted room thermostat wired into the power supply. Refer to the instructions provided with this accessory. One thermostat can be used to control up to four heater appliances.

**EXTERNAL AIR INLET**

An air inlet spigot is available for 100mm diameter rigid or flexible pipe. The spigot must be used in conjunction with another air inlet option, not as an only source.