

## OPTIONAL CONTROLS

For maximum energy efficiency we recommend that this heater is controlled by a room thermostat (available from Smith's) wiring into the power supply. This will ensure the heater switches off when the room reaches the required temperature. Refer to the instructions supplied with the thermostat.

## UNIT OPERATION

This heater appliance is fitted with three control switches which provide the following functions: (see diagram 2)

Left Switch: Press the  symbol: for fan only  
Centre Switch: Press the  symbol: for 1kw heating  
Right Switch: Press the  symbol: for 2kW heating

Important: - For either of the heat settings to operate the Left switch must be operated as described above before the heating functions can operate.

## OVERHEAT PROTECTION

Should this heater at any time become overheated, the safety device will activate. In order to reset, switch off the electric supply at the mains and wait 5 minutes. Switch the power back on and the overheat protection device will have been reset. Should the fault remain, turn off the electric supply and consult a qualified electrician.



*Products with this symbol (crossed out wheellie 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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# SYGNET 'E' 2kW INSTALLATION & USER GUIDE



This heater appliance is intended for use as an air heater and is to be mounted recessed into an internal wall. It is to be mounted with the bottom edge between 100 mm and 1000 mm from the floor. Alternatively, it can be adapted for mounting on the wall by using a Smith's Surface Mounting Kit, which is supplied along with full instruction within this booklet.

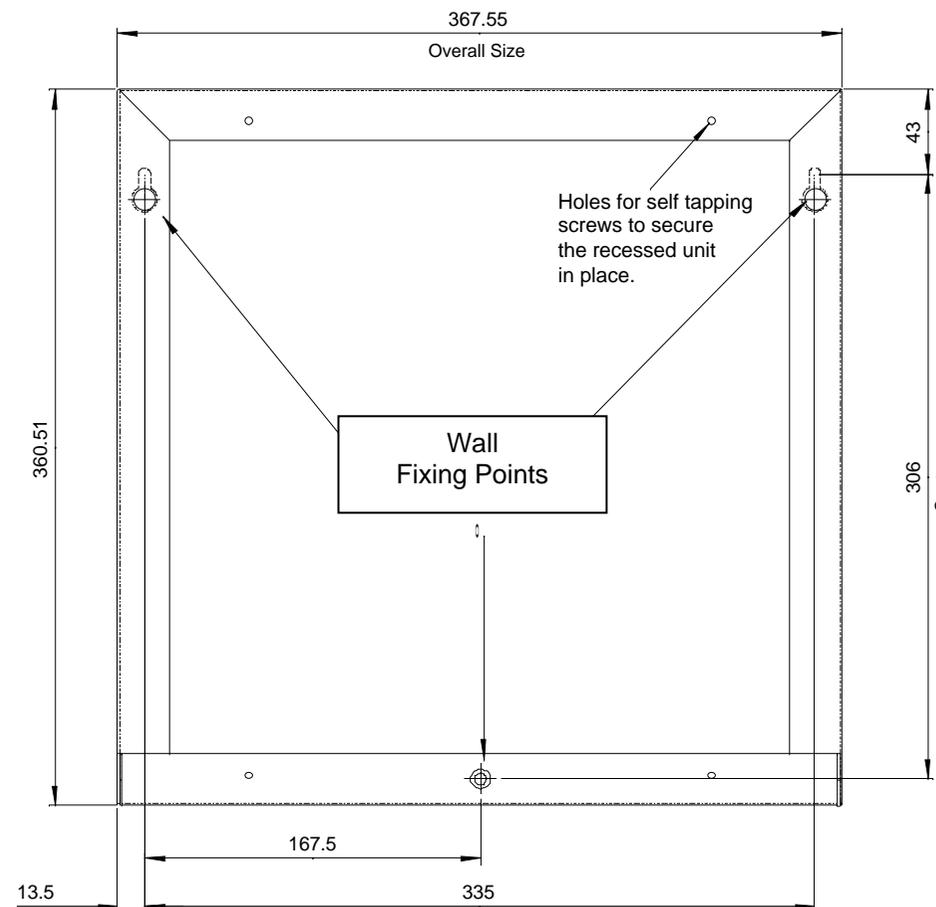
**This heater appliance must NOT be used in bathrooms or similar high humidity areas.**

## **INSTALLATION INSTRUCTIONS**

### **PREPARATION**

- 1) A hole measuring 313 mm vertical X 313 mm horizontal X 74 mm deep in the wall is required. Ensure the edges of the hole are flat and that the top and bottom edges will accept the back panel fixing screws (see diagram 1). If necessary, drill and plug the wall according to wall type and construction material for these fixing points.
- 2) Remove the four screws securing the front cover panel. Store these in a safe place until required.
- 3) Before placing the heater appliance in the recess, choose which electrical cord entry is to be used, ie: left, right, bottom or rear. All but the rear panel cord entry facility will require a knock-out approx. 22mm dia. to be removed. To remove the selected knock-out, proceed as follows:
  - a) Provide adequate support to the heater appliance generally.
  - b) Place a medium sized screwdriver to one side of the round panel and give it a sharp blow. The panel will rotate slightly about two fixing points, and may need a second blow or twisting with pliers before it becomes detached.
- 4) Pass the electrical cord through the hole. Ensure the cord is protected from any sharp edges around the hole by using the large grommet provided. If the rear panel facility is used, pass the cord through the smaller grommet provided.
- 5) Place the heater appliance in the recess and check the electrical cord can exit cleanly without straining or cutting on the edges of the recess. If necessary, clear the recess locally to enable the cord to exit cleanly.
- 6) Drill and plug the four fixing holes on the mounting surface to align with the two holes in the top and the bottom flanges. Place the heater appliance in the recess and secure with all four screws. Check the unit is level and free from distortion.
- 7) Replace the cover panel and secure in place (see diagram 2).

## **Fixing points**



All dimensions given are mm

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## SURFACE MOUNTING KIT FOR SYGNET 'E' 2kW

### INSTALLATION INSTRUCTIONS

These instructions must be read in conjunction with the Installation Instructions on pages 2, 3 & 4 of this Installation User Guide.

The surface mounting kit is supplied complete with 4 x self-tapping screws (No. 6)

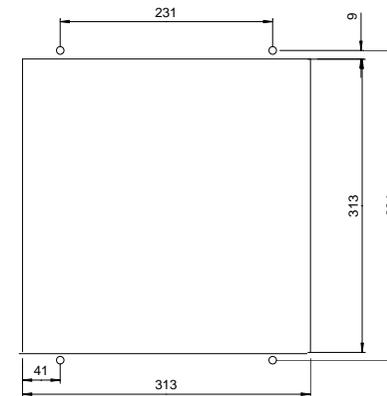
### Preparation

1. Ensure there is a switched fused spur facility within 1.8 metres of the heater.
2. Offer the surface mounting kit to the required wall position and mark the 3 fixing points as shown in the diagram.
3. Drill and plug the wall.
4. Fit the surround to the wall.
5. Remove the front cover of the heater.
6. Remove the 22mm knockout plate in the lower centre of the heater chassis and insert the rubber grommet.
7. Thread the electrical cord from the heater appliance through the chassis grommet.
8. Thread the electrical cord through the surface mounting kit surround grommet.
9. Secure the heater appliance to the surface mounting kit with the four self-tapping screws.
10. Refit the front cover panel to the heater.

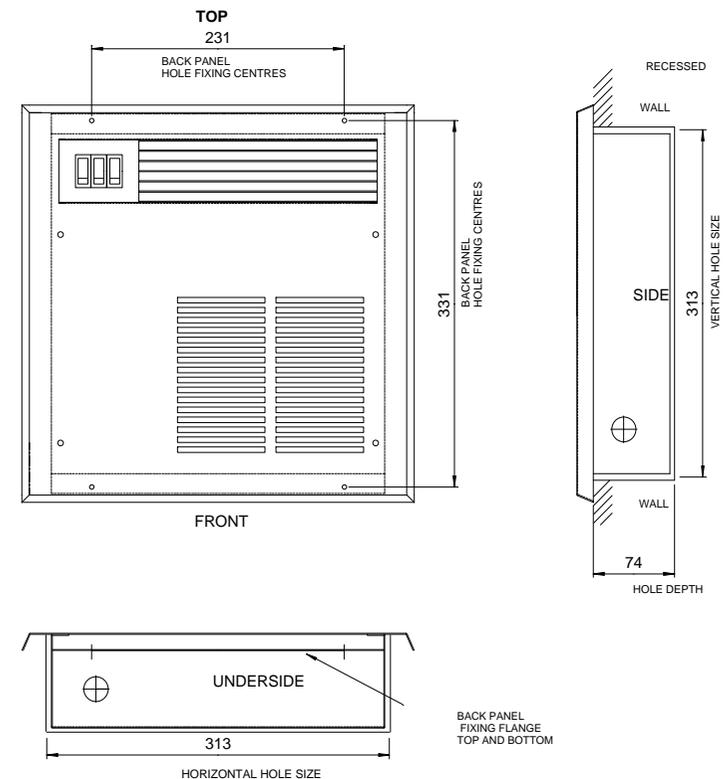
### Electrical Connections

Refer to the instructions on Page 4 of this Installation and User Guide

**Diagram 1**



**Diagram 2**



## **ELECTRICAL CONNECTIONS.**

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

Connect the three core electrical cord to a switched fused spur, fused at 10A. As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your outlet, proceed as follows. The wire which is coloured GREEN-AND-YELLOW must be connected to the terminal in the outlet which is marked with the letter E or by the Earth symbol  $\perp$  or coloured GREEN or GREEN-AND-YELLOW. The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK. The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.

## **Warning.**

This appliance is not intended for use by persons (including children) with reduced physical knowledge, unless they have been given supervision or instruction concerning use of appliance by person or persons responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

If the supply cord is damaged, it must be replaced by the manufacturer, it's service agent or similarly qualified persons in order to avoid hazard.  
(Refer EN 60335-1 & EN 60335-2-30 clauses 7.12 & 7.12.5)

Please note in the event of an engineer's visit, Smith's Environmental Products Ltd reserve the rights to apply a call-out charge should the fault prove to be with the system or installation and not the heater appliance.



## **SYGNET 'E' 2kW SURFACE MOUNTING KIT INSTALLATION GUIDE**

**For use with Sygnet 'E' 2kW**