

SSH- Smart Heater

Installing the Heater

The Heater is supplied complete with 10 metres of SELV connecting cable with plugs attached.

The heater is installed into the ductwork (by others) using the fast clamps. Larger, heavier units should be adequately supported.

Wiring in the heater

The heater requires two connections; the SELV communications cable link up and the 230v mains LNE connection to power the heater coil.

Remove the top cover from the terminal box by rotating the four fixing screws half a turn. The communications cable (supplied) can now be plugged into the socket marked NET inside the box. (See fig 2).

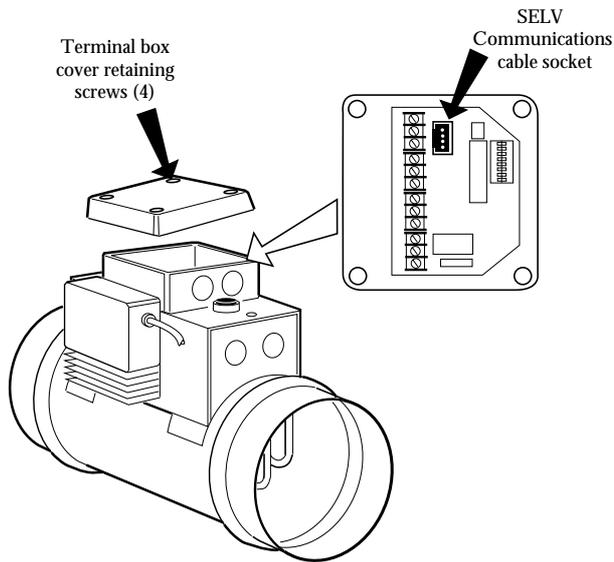


Fig. 2 SELV cable connection on heater

The other end of the SELV cable should be plugged into the connection box of the associated supply fan in the system. To connect the mains supply to the unit it is necessary to remove the casing from the heater body. Remove the two fixing screws and lift off the casing to reveal the terminal block marked LNE (See fig 3).

Knockouts are provided in the casing panel for cable entry. Connect mains wiring to terminals (3kW 230v a.c. 1 phase).

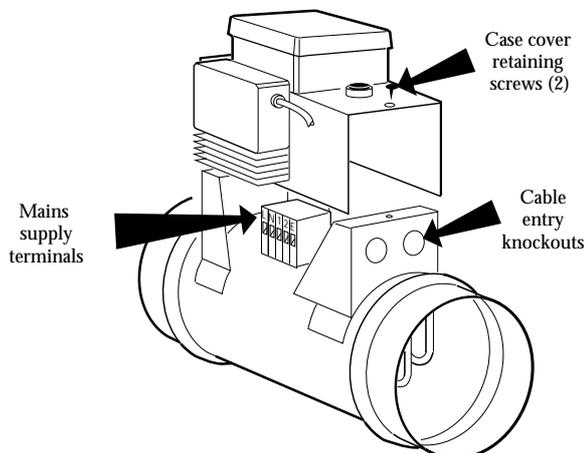


Fig. 3 Connecting the mains supply

Locating the temperature probe sensor

A flying lead is attached to the heater module which is terminated with a temperature sensing probe.

The probe should be located in the ductwork approximately .5 metre DOWNSTREAM of the heater. (See fig 1)

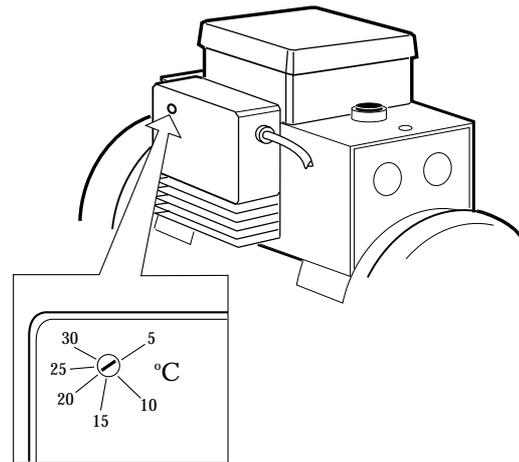


Fig. 4 Setting the 'air-off' temperature

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A variable 'air off' temperature adjustment is provided on the side of the heater module (see fig 4). The setting is adjustable from 0 - 30°C and is achieved by inserting a small screwdriver into the adjuster aperture and rotating the spindle clockwise or anticlockwise.

Manual Reset button

The heater will normally operate automatically. A safety cut-out is provided on the heater and a manual reset button is provided on the top of the casing (see fig 5). This may be used to reactivate the heater in the event of a shut down due to overheating.

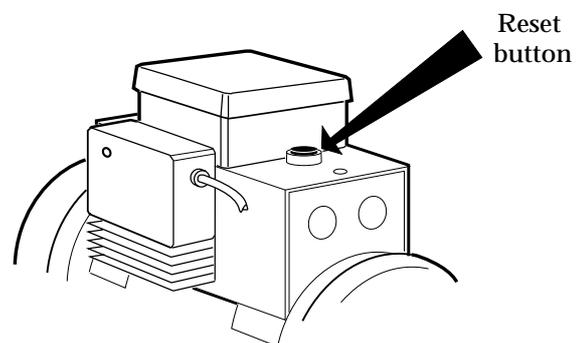


Fig. 5 Manual reset button