

INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS FOR

Twin-Zone Radiant Heater

Catalogue Number HE6343 3 kW

PLEASE RETAIN THIS LEAFLET FOR FUTURE MAINTENANCE

INSTALLATION - IMPORTANT

THE SILICA SHEATH OF THE HEATING ELEMENTS SHOULD NOT BE TOUCHED BY HAND, OTHERWISE PERMANENT MARKS (DEVITRIFICATION) WILL OCCUR DURING HEATING. WHEN ASSEMBLING HOLD THE ELEMENTS BY THE CERAMIC BUSHES AND OBSERVE THE CLEANING INSTRUCTIONS AFTERWARDS.

ELEMENT POSITION

The Twin-Zone heater is designed to provide widespread warmth (broad beam) or a more concentrated beam of heat over a localised area (narrow Beam), and the selection of either is made by adjusting the position of the element. This is determined by ensuring that the ceramic blocks supporting the silica tubing are mounted into the heater body in the correct position. Long end of ceramic blocks downwards will give narrow beam and short end downwards will give broad beam. (See Fig 2).

ASSEMBLY (as Fig. 1)

The heater is supplied with the elements fitted in the broad beam position and connected ready for installation.

To change the beam width to the narrow setting

- Remove the terminal box covers.
- Remove the reflector from the body of the heater.
- Disconnect the element tails from the terminal blocks.
- Holding the elements by the ceramic bushes, lift the element out of the retaining slots in the body.
- Rotate the ceramic blocks into the narrow beam position (long end downward, as Fig. 2) and replace.
- The heater can now be reassembled in the reverse order.

ENSURE THAT THE CERAMIC BLOCKS ARE ALL INSERTED INTO THE BODY IN THE SAME OFFSET POSITION. LONG END DOWNWARDS FOR NARROW BEAM.

The heater is suitable for connection to a 230/250 volt single phase supply and should be wired in heat resisting cable suitable for a continuous ambient of 75°C, in accordance with IEE Regulations for the Electrical Equipment of Buildings.

NOTE

The 3 kW heater can be arranged for independent switching of the elements, giving 2 or 3 heat controls if required. For this the link between terminals should be removed and these terminals connected separately to the supply (Fig. 3).

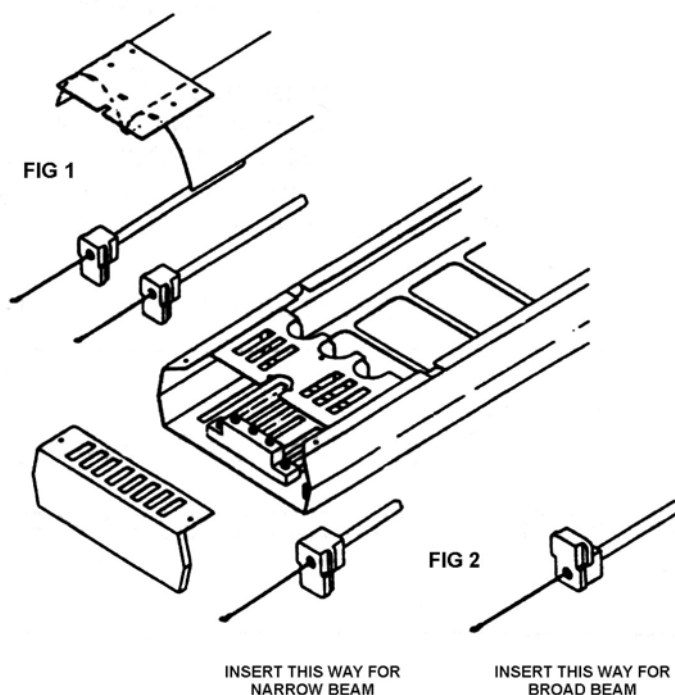
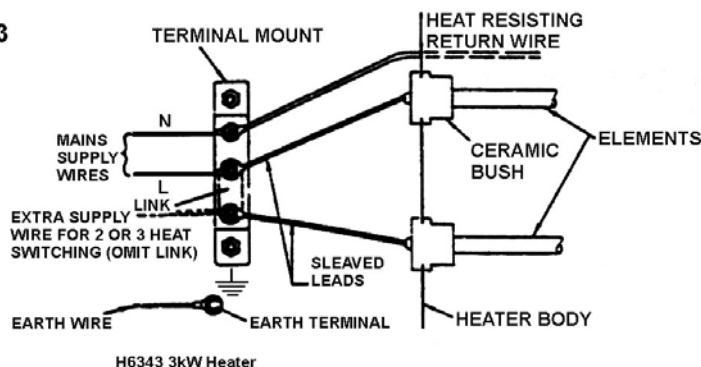


FIG3



SUSPENSION

Mounting brackets for suspension purposes are supplied with each heater. See diagrams for alternative methods. Provision is made for mounting by 20 mm conduit.

ANGLED

Diagram illustrates a pair of heaters, which should be adjusted to the narrow beam position, suspended from the ceiling. Two heaters can be mounted at 45° to the vertical, thus giving wider radiation from a single point and saving extra wiring.

WALL MOUNTING

The heater can be wall mounted, using the brackets shown.

A safety guard, catalogue number HE6350, is available if required for particular applications.

SPECIAL NOTE

Heaters must always be mounted with elements in the horizontal plane.

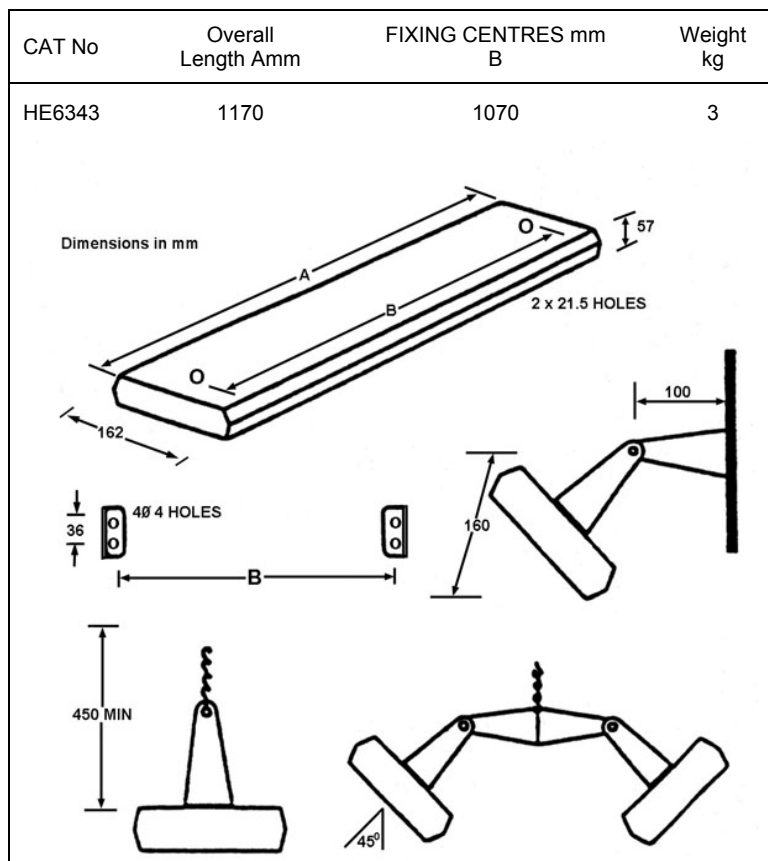
CAUTION

Where radiant heaters are used in the presence of any combustible materials, ensure that such materials cannot be overheated by radiation. These heaters are not flame proof and should not be used in the presence of paint solvents or petrol fumes.

MAINTENANCE

Cleaning: Remove the reflector for occasional cleaning with a damp cloth to maintain maximum reflectivity, and wipe the element tubes carefully with a clean cloth moistened with methylated spirits. If the reflector is very dirty clean with metal polish.

CAT No	50Hz Supply Volts	Heating Load @240V	ELEMENTS	MOUNTING HEIGHT (metres)	
				Horizontally Suspended	Wall mounted/ Angled
HE6343	230/250	3 kW	2 x 240V 1.5kW	3 min 4.8 max	2.3 min 4.6 max



ELEMENT REPLACEMENT

A complete set of replacement elements (element spiral assembled in silica tube) is available for all heaters. When installing replacement elements the cleaning instructions given above should be observed.

Replacement Element:

Cat No: HE6371 1.5 kW Silica sheathed element.

In the interest of progress the Company reserve the right to vary specifications from time to time without notice. The material listed is offered subject to the Company's General Conditions of Sale, a copy of which may be obtained on request.