

INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS FOR

Sun-Zone Radiant Heaters

Catalogue Numbers HE6502 (2 kW) & HE6503 (3 kW)

PLEASE RETAIN THIS LEAFLET FOR FUTURE MAINTENANCE

1. RANGE

There are 2 models in the Sun-Zone range:

CAT No	LOADING AT 240V	WEIGHT KG	OVERALL LENGTH (METRES)
HE6502	2 kW	1.40	1.31
HE6503	3 kW	2.09	1.72

Sun-Zone provides a wide beam distribution of radiant heat. Each unit is supplied complete with a fitted metal sheathed wire element, wire-guard and a pair of mounting brackets. Sun-Zone heaters are not flameproof and should not be used in hazardous areas.

2. INSTALLATION

- (a) It is important that Sun-Zone is not mounted close to a wall or ceiling. Minimum offset distances are shown in Fig 1.

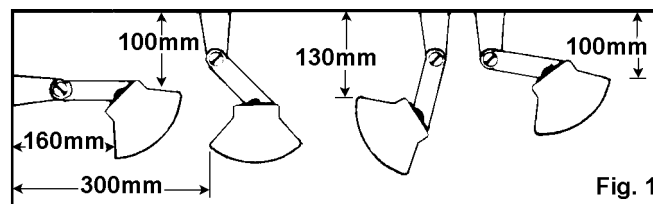


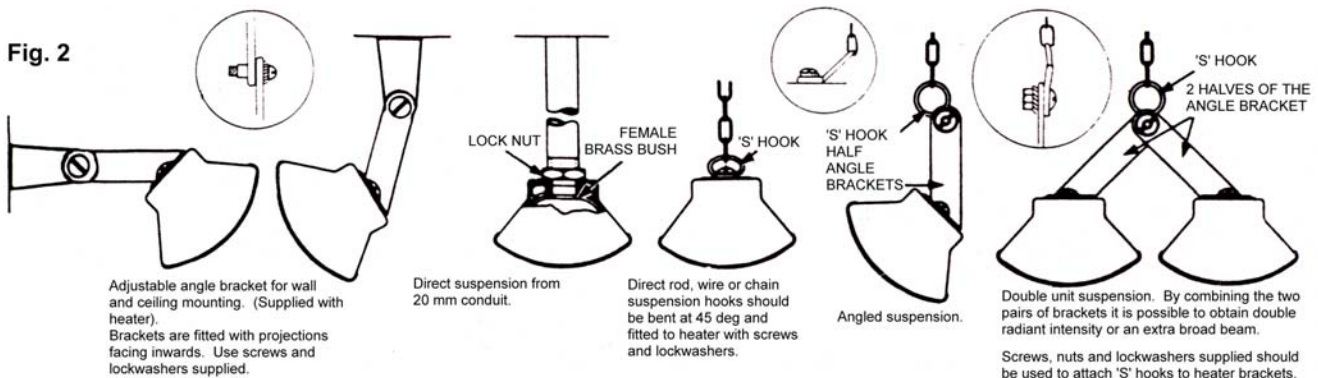
Fig. 1

- (b) Sun-Zone heaters should be mounted at a minimum height of 2.1 metres above floor level.
 (c) Sun-Zone may be wall or ceiling mounted, chain or conduit suspended as shown in Fig 2.

Fixing Centres (metres)

CAT No	BRACKET/CHAIN SUSPENDED	CONDUIT
HE6502	1.17	1.25
HE6503	1.57	1.66

Sun-Zone may be mounted in a number of ways. Six methods are illustrated.



WARNING – THIS APPLIANCE MUST BE EARTHED

3. ELECTRICAL CONNECTIONS

- (a) Sun-Zone is designed for operation at 240V 50Hz.
- (b) Mains supply cable should be 3 core heat resistant PVC/PVC to BS 6500 Table 9.

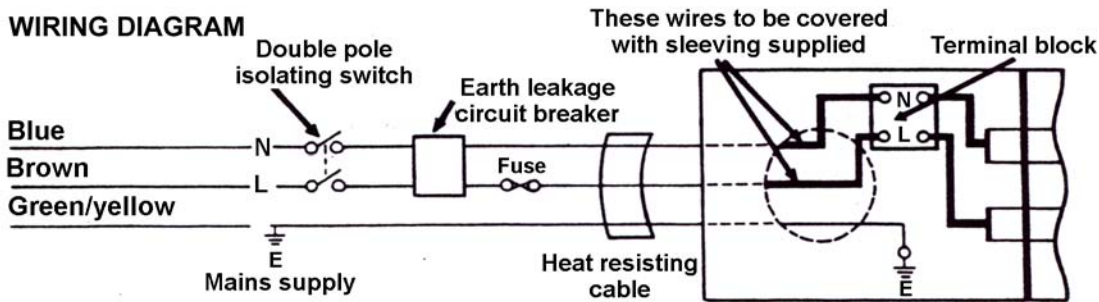
Recommended Cable Sizes

Cat No	Rating	Cable Size (Metric)
HE6502	2 kW	32/.20
HE6503	3 kW	30/.25

- (c) A double pole isolating switch should be used in every Sun-Zone installation.
- (d) Remove the terminal cover. Pass the mains cable through the cable clamp fitted. Tighten securely.
- (e) Strip outer cable insulation and cover the line (Brown) and neutral (Blue) conductors with the sleeving provided. The brown insulated conductor to the terminal marked 'L', the blue insulated conductor to the terminal marked 'N', and the yellow/green conductor connected to the earth stud marked \downarrow adjacent to the terminal block. A good earth connection MUST always be made to the heater before it is switched on.
- (f) The heater must be installed and tested in accordance with the latest edition of the IEE regulations for the Electrical Equipment of Buildings.
- (g) As a protection against a decrease in earth leakage resistance of the sheathed wire element it is recommended that for complete safety a sensitive current operated residual current circuit breaker is always included in a Sun-Zone circuit.

Special Note

Sun-Zone uses metal sheathed wire elements and it is a characteristic of such elements that a small amount of moisture can be absorbed from the atmosphere during storage, or even after installation if not in regular use. It is possible that the amount of moisture absorbed could decrease the earth leakage resistance with spurious operation of the current sensitive earth leakage circuit breaker recommended for a Sun-Zone circuit. Should such a condition occur, disconnect the heater from the circuit and run it for a few minutes in the circuit without the earth leakage protection. This will drive off any offending moisture. Return the circuit to its correct state with the RCCB connected. This procedure must only be carried out by a competent electrician.



4. MAINTENANCE

ALWAYS ENSURE THAT THE MAINS ELECTRICAL SUPPLY IS SWITCHED OFF BEFORE ANY OPERATION IS CARRIED OUT ON THE HEATER.

To maintain the efficiency of the reflector clean it occasionally with a damp cloth ensuring all moisture is removed before switching on. Do not use any abrasive polishes.

Element Replacement

- (a) ENSURE MAINS SUPPLY IS SWITCHED OFF.
- (b) Remove the terminal cover and disconnect the element leads from the terminal block.
- (c) Slide off the wire-guard.
- (d) Remove the screw holding the element support nearest to the terminal block.
- (e) Straighten the support clips at the back of the reflector and push out the failed element.
- (f) Fit a new element and reassemble in reverse order (e – a)

5. SPARES

HE6522 240V 2 kW element for HE6502
 HE6523 240V 3 kW element for HE6503
 HE6524 pair of mounting brackets

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

WARNING

IF THIS HEATER IS FITTED IN A BATHROOM IT **MUST** BE MOUNTED IN SUCH A POSITION THAT **NO** PART CAN BE TOUCHED BY A PERSON USING A BATH, SHOWER OR WASHBASIN AND IN SUCH A SITUATION IT MUST BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF IEE WIRING REGULATIONS FOR BUILDINGS. THE GUARD ON THIS APPLIANCE CONFORMS TO THE REQUIREMENTS OF BS 1945 1971 AND SATISFIES THE HEATING APPLIANCE (FIREGUARDS) REGULATIONS 1973. THE GUARD IS TO PREVENT RISK OF FIRE OR INJURY FROM BURNS, AND NO PART OF IT SHOULD BE PERMANENTLY REMOVED. IT DOES NOT GIVE FULL PROTECTION FOR YOUNG CHILDREN OR THE INFIRM.