Guarantee

We, Redring Electric, guarantee that should this heater prove to be defective by reason of faulty workmanship or material within 12 months of the date of purchase or commencement of hire purchase we will replace the defective parts FREE OF CHARGE on condition that:

a) The appliance has been correctly installed and used only on the supply circuit or voltage stamped on the rating plate.

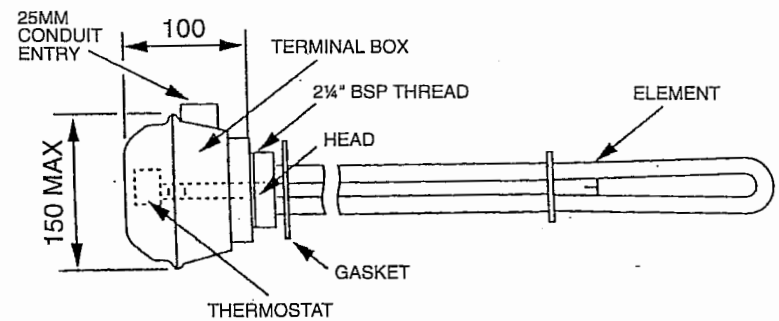
b) The appliance has been used in accordance with these instructions and has not been tampered with otherwise subjected to misuse, neglect or accident.

c) The appliance has not been taken apart, modified or repaired except by a person authorised by us.

d) EVIDENCE of the date of purchase in the form of an invoice, receipt (or hire purchase documents) is included with the appliance if returned under guarantee.

RS PRO

USER INSTRUCTIONS
INDUSTRIAL IMMERSION HEATERS
RY SERIES



Elements These are Incoloy 825 sheathed and must be totally immersed in water before energisation.

Head This is made from brass. The elements and thermostat pocket are brazed into the head.

Terminal Box A moulded polypropylene box with 25mm conduit threaded cable entry. Drip proof to IP55.

Thernostat An adjustable, stem type thermostat with single pole contracts rated at 13A is fitted.

SAFETY NOTE

All users are strongly recommended to study "Safety Guidelines for Industrial Electrical Heaters" obtainable from BNCE, 30 Mill Bank, London SW1P 4RD. Telephone 0171 834 2333.

Installation

The head features octagonal faces and 2¼" B.S.P. thread for fitting into a tank through a suitable boss. The gasket supplied should be fitted to act as a seal between the immersion heater head and the tank boss. To get the best service and optimum stratification, ensure the heater is mounted horizontally at the bottom of the tank. Care must be taken to ensure that the elements remain immersed at all times and are not allowed to run in sludge in order to avoid "Burning out". The terminal box can be rotated on the head for the most convenient entry: This is achieved by slackening the nuts on the two short studs, rotating to the ideal position and re-tightening the nuts. One stud is identified by E and the symbol ⏚ and has a second nut and washer arrangement to secure the earth wire.

3kW to 12kW heaters are suitable for 3 phase, 4 wire, 400V/415V operation or single phase operation by linking the 3 line terminals (see figure 1); 2kW heaters for single phase 230V/240V operation only (see figure 2); and 18kW heaters for 3 phase, 3 wire, 400V/415V operation only (see figure 3).

As with all electrical equipment of this type it is strongly recommended to fit ELCB (RCD) protection (see safety note below). Wiring must be carried out by a competent person to the requirements of the current edition of the IEE regulations and to satisfy HSE legislation.

The heater should be connected to the supply point with a suitable high temperature cable.

The control thermostat contacts must be suitably rated if this is to be fitted in series with the heater. Otherwise it must be wired to control a contractor suitable for the heater rating.

Cleaning and Maintenance

Whilst the heater does not attract deposits, in hard water areas scale may accumulate. It is essential that the heater section is cleaned frequently in these cases to avoid overheating and premature failure. This must be carried out carefully to avoid damaging the element sheath material.

Statement of conformance with European Harmonised Directives

Industrial Immersion Heaters are manufactured to BS3456 Part 2 Section 2.21 and BS3456 Part 1 and will comply with the directives if fitted to correctly designed equipments. If automatic switching is utilised your system design must satisfy the requirements of EN 60555-3.

	LEGENDS
⊘	TERMINAL FOR CUSTOMER CONNECTION
H	HEATER ELEMENT
THT	THERMOSTAT (CONTACT RATING 13A 250V)

Fig 1

3 Phase, 4 Wire Connection shown

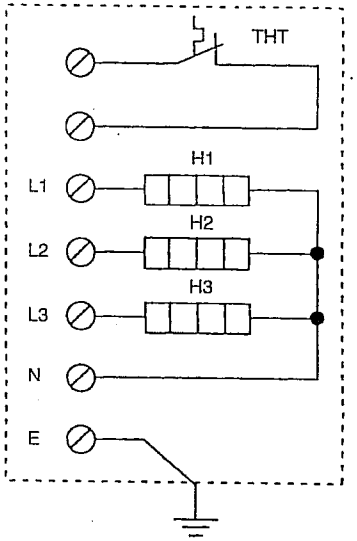


Fig 2

2kW Version only

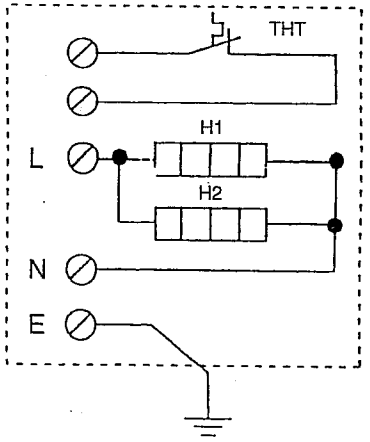


Fig 3

18kW Version only