INSTALLATION AND OPERATING INSTRUCTIONS
FOR TITANIUM IMMERSION HEATER

Supplied by Heatrae Sadia and Pullin.
This immersion is guaranteed for a period of two years with the element guaranteed for five years.

1. INSTALLATION

The heater should be installed by a qualified person. The heater should only be installed in a domestic copper cylinder to BS 1566 or copper hot water storage combination unit to BS 3198.
An asbestos free gasket is supplied with the heater to be fitted against the element head. Use of any sealant on the gasket is not recommended.
The heater screws into a $2^{1}/_{4}$” BSP threaded boss.
11” and 14” heaters should be installed horizontally. Heaters longer than 14” should be installed vertically.
When selecting a heater, please ensure there is a minimum gap of 15mm between the end of the element and the inside surface of the tank.

This heater must be wired with heat resistant flexible cord with a minimum cross sectional area of 1.5 mm^2.

THIS APPLIANCE MUST BE EARTHED.
THIS APPLIANCE MUST BE INSTALLED IN ACCORDANCE WITH BS 7671 (IEE Wiring Regulations). IT MUST BE WIRED THROUGH A DOUBLE POLE ISOLATING SWITCH WITH A CONTACT SEPARATION OF AT LEAST 3MM IN ALL POLES.

The cable grip should be secured using only the screws provided. (See overleaf).

3. SAFETY
BEFORE INSTALLING ENSURE ELECTRICITY SUPPLY IS TURNED OFF AND TANK IS DRAINED.
THIS HEATER MUST ONLY BE INSTALLED INTO A SYSTEM WHERE IT WILL ALWAYS BE IMMERSED IN WATER, SUCH AS A CISTERN FED TANK OR CYLINDER THE INSTALLER MUST CHECK THAT THE TANK IS FULL OF WATER BEFORE THE IMMERSION HEATER IS SWITCHED ON.

Hurricane Way, Norwich, Norfolk NR6 6EA
Heatrae Sadia / Pullin Tel: 08701 600125

4. ASSEMBLY
Please refer to diagrams overleaf for assembly of the Earth Post, Neutral Terminal, and Cable Clamp.
NB The two 15mm self tapping screws which hold the cable clamp bar down on to the cable are supplied loose in a plastic bag.
BEAB Approval only applies when the components are assembled correctly as shown in the diagrams overleaf.

5. THERMOSTAT
The heater is supplied with an RDT thermostat, factory set to 60°C.
This is a combined control thermostat (range 10°C to 60°C) and over-temperature thermal cut-out.
TO MAINTAIN SAFETY ANY REPLACEMENT THERMOSTAT MUST BE OF THE SAME TYPE.

6. OVER-TEMPERATURE CUT-OUT
Should excessive water temperature occur the integral over-temperature cut-out will operate to prevent the water storage cylinder from boiling. If the over-temperature cut-out operates the reason for the operation should be investigated and rectified before re-setting the cut-out.

If the cut-out operates, the re-set pin (see diagram overleaf) will be pushed upwards so that it is level or slightly proud of the thermostat cover. The water storage cylinder must be allowed to cool before the cut-out can be reset.
The over-temperature cut-out can be re-set by lightly pushing the re-set pin into the cover until it reaches a stop.

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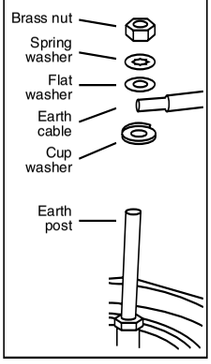
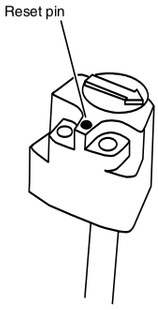
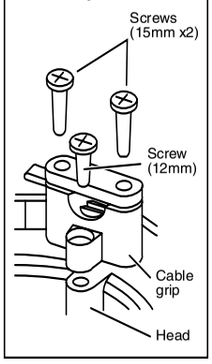
Earth post assembly



Thermostat



Cable clamp assembly



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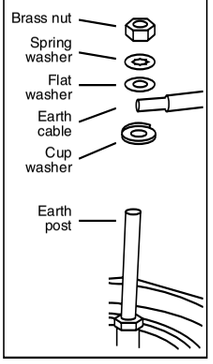
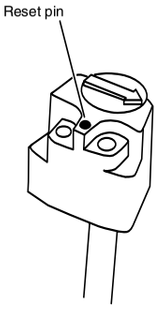


Thermostat



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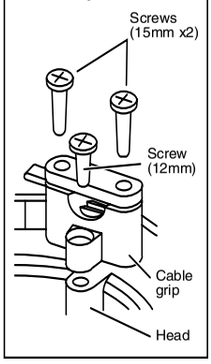
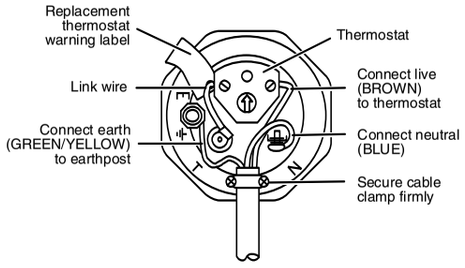
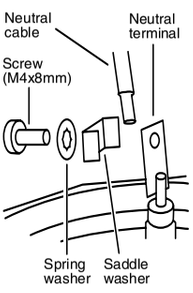


Wiring assembly



Neutral terminal assembly



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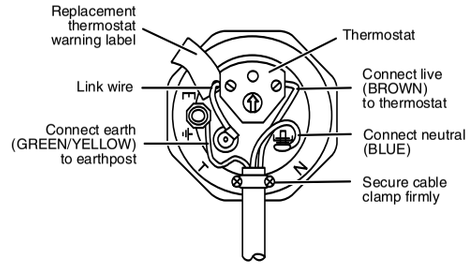

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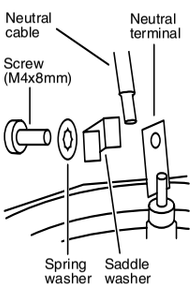

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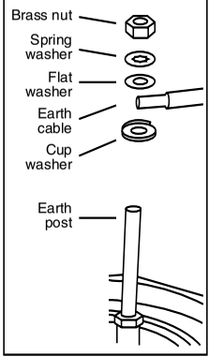

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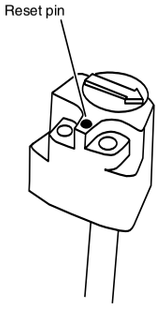
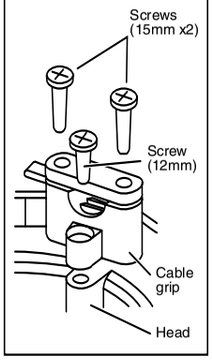


Cable clamp assembly



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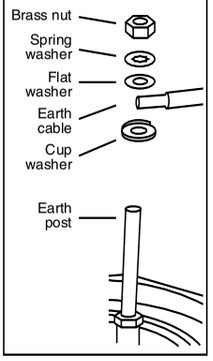

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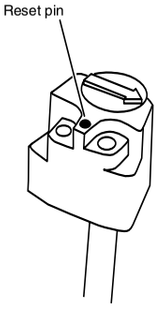

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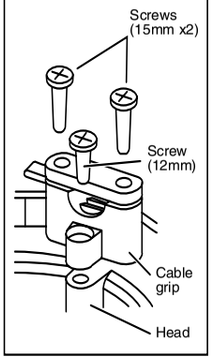

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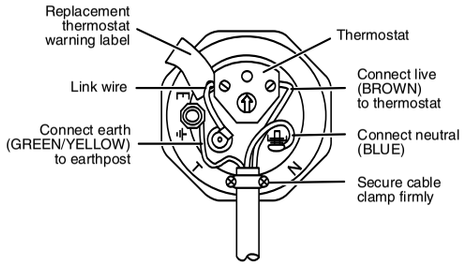

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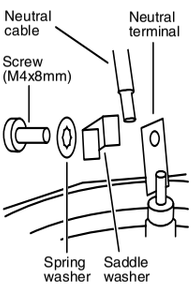

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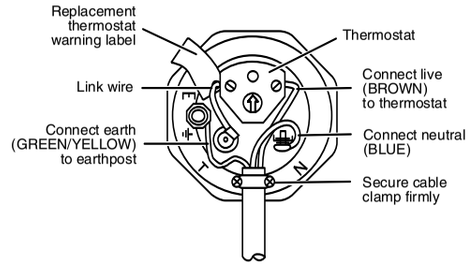

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