

THERMOWATT

RT 1" ½ IP65 with RTS thermostat - Bipolar double safety disconnection -

INSTALLATION AND OPERATING INSTRUCTIONS

Thank you for purchasing this IP65 Heating Element.

This heater is approved to **EN 60335-2-73 BEAB** (certificate number IH 0331).

WARNING – THIS UNIT MUST NOT BE MODIFIED IN ANY WAY. Thermowatt approval is dependent upon the fitting of the appropriate Bipolar double Safety Thermostat.

INSTALLATION

1. Check your mains power voltage matches the voltage rating indicated on the label of the plastic terminal cover.
2. The immersion heater must be fixed to the cylinder using the gasket provided. Please ensure that the unit is not over tightened into the tank boss. Silicon sealant on the gasket is recommended.

WARNING – THIS HEATER SHOULD ONLY BE INSTALLED IN SYSTEMS WHERE THE ELEMENT IS ALWAYS BELOW WATER LEVEL, SUCH AS A CISTERN FED TANK. CHECK THAT THERE IS WATER IN THE TANK BEFORE THE IMMERSION HEATER IS FIRST SWITCH ON. If the heater is allowed to run when the water level is not fully covering the heating element there may be serious damage incurred to the heater, property or persons.

The appliance is not to be used by children or persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

THERMOSTAT INFORMATION

The immersion heater is supplied with a RTS/RTS PLUS thermostat. Functional temperature is factory set to 75°C, with adjustable temperature.

To maintain safety, any replacement thermostat must be of the same type.

RECOMMENDATION: low water temperature is recommended to reduce limestone deposit (Not lower than 60°C).

The thermostat in this unit is able to disconnect both supply conductors (live and neutral) by a single initiating action. It has a safety resettable cut out mechanism which prevents excessive temperatures. In case the normal sensing device fail, the over temperature safety device will act to limit the water overtemperature.

To reset the thermostat after an intervention of the safety device:

1. Switch off the heater by isolating the power supply
2. Allow the water in the cylinder to cool down sufficiently

3. Remove the cover and press the button on the top of the thermostat.

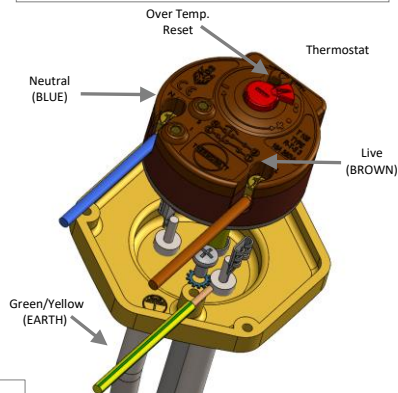
NB: This cut out is a safety device, if this is found to be operating frequently then we recommend to consult a qualified electrician to investigate the nature of the problem as the thermostat may need to be replaced. It may be helpful to lower the thermostat setting to avoid unnecessary cut offs.

ELECTRICAL CONNECTIONS

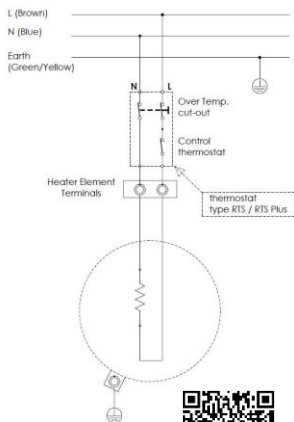
1. This unit should be connected by a suitably qualified electrician in accordance with the latest I.E.E. regulations.
2. Ensure the electrical supply is switched off before making any connection to the unit.
3. The Heating element must be wired through a double pole isolating switch with contact separation of at least 3mm in both poles.
4. The heater is supplied with a heat resistant flexible power cord with a minimum cross-section area of 1.5mm^2 . When the heating element has a power rating greater than 3000W, then the power cord supplied will have conductors with 2.5mm^2 minimum cross-section area.
5. Ensure that the terminal screws are not over tightened as this could result in the terminations being broken off.

WARNING: THIS DEVICE MUST BE EARTHED, so make sure your main electrical system fit with the required connections.

The Heating Element is supplied in this way



Electric Diagram



Website: www.thermowatt.com

Contact: thermowattservice@thermowatt.com

Technical Instruction Sheet: <https://www.thermowatt.com/en/products/water-heating-elements/immersion-heater-with-stem-thermostat.html>