

Installation instructions for THERMCO immersion heaters

1. Check your mains power voltage matches the voltage rating indicated on the label of the plastic terminal cover.
2. The heater can be fitted either horizontally or vertically depending on its immersed length. Heaters mounted horizontally are typically less than 450mm but should be at least 75mm shorter than the horizontal width of the tank into which it is fitted. The immersed length of vertically mounted heaters should be at least 150mm shorter than the height of the tank.
3. The immersion heater should only be installed in a system where the heating element is always below the water level such as in a cistern tank.
4. Install the heater into the tank using the gasket or 'O' seal as supplied, tighten with a good fitting spanner to prevent any damage to the heater. Then fill the system with water according to your standard procedure to ensure that all air pockets are removed also check for leaks around the joint.
5. It is important that the element is immersed at all times and the installer must check that there is water in the tank before the heater is first switched on.
6. The heater must be wired through a double pole isolating switch or controller with a contact separation of at least 3mm, using 90°C elastomer insulated H05BN4-F sheathed cable to BS6500 of at least 1.5sq.mm by a qualified person in accordance with all existing wiring rules and regulations.
7. **Isolate the heater from the mains power supply before removing the heater terminal cover to either make adjustment to the thermostat or to reset the safety cut out.**
8. To reduce the risk of scalding it is recommended that the control thermostat is set no higher than 65°C.

Note: This appliance can be used by children of 8 years and above and by persons with reduced physical, sensory or mental capabilities or those with lack of knowledge and experience if they are properly supervised or have been given instruction concerning the safe operation of the appliance and understand the hazards involved. Cleaning and user maintenance should not be made by children without supervision.

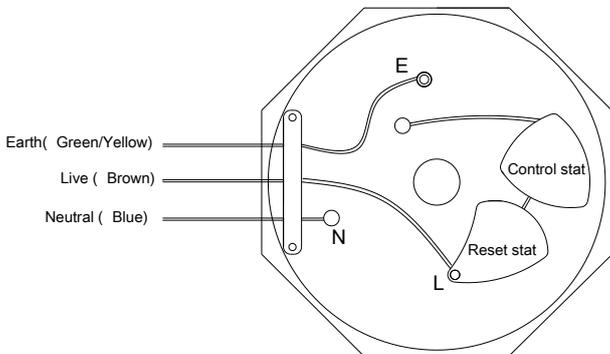
Wiring Diagram

Retain this sheet for future reference, this information can be found on our website, by email or telephone, contact details are shown at the bottom of the page.

CAUTION! This device must be earthed
Do not cover the heater terminal cover

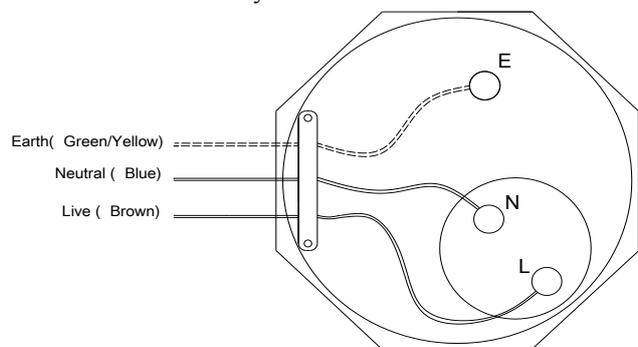
RTS heater type:

All loadings, lengths and head sizes.
Fitted with Thermowatt RTS-3 thermostat
with built in resettable safety thermal cut-out.



Twin thermostat type:

All variants, fitted with:
Sunvick VKL 2301, 2303 or 2201 control
thermostat and VKL 2352, 2351 or 2251
resettable safety cut-out.



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