

# Towel Rail Electrical Element Kit



## Contents

- 1 x Towel rail Electrical Element
- 1 x Chrome T-Piece for Dual Fuel Installation
- 1 x Chrome Blank Plug for Electric Only Installation

## Important Information

**NEVER SWITCH THE ELEMENT ON UNLESS IT IS FULLY INSTALLED AND COMPLETELY IMMERSSED IN FLUID. THE ELEMENT WILL BE INSTANTLY DESTROYED IF IT IS OPERATED IN AIR.**

This element is not suitable for installation into the top of a towel rail it is for vertical bottom entry use only.

This product must be installed by a competent person and in accordance with the current IEE Wiring Regulations. It may be necessary to notify your local authority building control department or to have the work carried out by a suitably qualified electrician.

The surface of the towel rail may get very hot so it is not suitable for use in locations where this could be a hazard.

The element contains a non-adjustable thermostat that will switch off and on as the towel rail reaches temperature. The element also contains a non-replaceable thermal fuse safety device that will blow at 119 degrees centigrade if the thermostat were ever to fail.

## Dual Fuel Installation (Central Heating with Electrical Option)

**Step 1** - Remove the blank plug in the side of the T piece and discard the blank plug. Wrap a thick layer of PTFE tape around the element thread and the T piece thread.

**Step 2** - Screw the T piece onto the element and tighten into place.

**Step 3** - Screw the element and T piece assembly into the towel rail and tighten, ensuring that the T piece outlet is in the correct position. **THE ELEMENT MUST ONLY BE FITTED VERTICALLY IN THE BOTTOM OF A TOWEL RAIL.**

**Step 4** - Mount the towel rail onto the wall in accordance with the manufacturers instructions. Fit the radiator valves and connect the central heating pipes.

**Step 5** - Open the radiator valves and purge any air from the system using the towel rail air vent.

**Step 6** - Switch off the electrical supply at the mains. Connect the electrical cable to a BS Fused Connection Unit, which should be fitted with a 5 Amp fuse. **THIS PRODUCT MUST BE EARTHED.** (see wiring diagram on reverse)

**Step 7** - Switch the electrical supply back on and test the electrical element. The towel rail should gradually heat up but it could take several hours to reach full operating temperature.

**THE RADIATOR VALVES MUST BE LEFT OPEN AT ALL TIMES WHEN THE ELEMENT IS SWITCHED ON. THE ELEMENT SHOULD NOT BE SWITCHED ON WHEN THE CENTRAL HEATING IS SWITCHED ON.**

## Electric Only Installation

**Step 1** - Remove the T piece from the element. Wrap a thick layer of PTFE tape around the element thread and screw the element into one of the bottom threads of the towel rail and tighten into place. **THE ELEMENT MUST ONLY BE FITTED VERTICALLY IN THE BOTTOM OF A TOWEL RAIL.**

**Step 2** - Using a measuring jug fill the towel rail with a mixture of water and central heating protector. The mixture ratio will depend on which central heating protector you use. When the towel rail is full, pour 10% of the fluid back out to allow room for expansion.

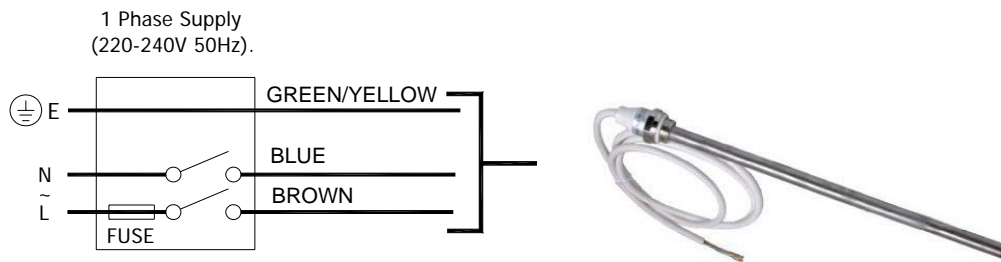
**Step 3** - Remove the blank plug in the side of the T piece and discard the T piece. Wrap a thick layer of PTFE tape around the blank plug thread and screw the blank plug into one of the bottom threads of the towel rail and tighten into place.

**Step 4** - Mount the towel rail onto the wall in accordance with the manufacturers instructions.

**Step 5** - Switch off the electrical supply at the mains. Connect the electrical cable to a BS Fused Connection Unit, which should be fitted with a 5 Amp fuse. **THIS PRODUCT MUST BE EARTHED.** (see wiring diagram below)

**Step 6** - Switch the electrical supply back on and test the electrical element. The towel rail should gradually heat up but it could take several hours to reach full operating temperature. When the towel rail is at full temperature release any excess air and pressure using the air bleed valve on the top.

### Wiring the towel rail element



### Wiring the towel rail element with a wall controller (Please also refer to controller instructions)

