

Welcome to your all-new SmartTouch electric towel rail element. Designed for use on electric-only and dual-fuel towel rail installations, these elements come with an integral control unit, giving you flexibility on how you heat your towel rail.

Offering basic On/Off functionality, these elements also come with output control and 5 different boost settings:

### **Output control**

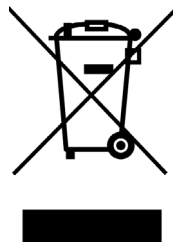
Five different output settings, allowing temperature control between 45-65°C in 5°C increments

### **Boost settings**

Five boost settings: 1,2,3,4,5 hours

Please take time to read the operating instructions, as well as the general guidance before attempting installation.


These elements should be installed by a qualified electrician in accordance with the current IEE wiring regulations.





*These instructions are intended as a guide only. Please consult a qualified electrician for installation.*


## Operating Instructions

### On/Off Control


When the element is connected to the power source, it will default to standby mode. This will be indicated by a blue light on the power button (  ) and the temperature will maintain at 7°C as frost protection.

### Constant Heating Mode

Press the power button (  ) to switch the element into constant heating mode; a red light will appear on the power button (  ).

Press the temperature button (  ) to control the heat output of the element. The LED indicators at the top of the unit will light up red to indicate the power setting. Each light represents increments of 5°C between 45-65°C.

### Boost Setting

There are 5 boost settings available, depending on your requirements; 1/2/3/4/5 hours. To activate boost mode, press the boost button (  ). When boost mode is activated, the element will switch to full power mode for the indicated time, before reverting to standby mode.

The LED indicators at the top of the unit will turn blue when boost mode is activated, with each blue LED representing 1 hour.

### Error Mode

The LED indicators will slowly flash red if the element is in error mode. This will occur if the liquid temperature drops below -10°C or rises above 85°C.

If your element enters error mode, you should switch off the power source and contact an electrician.



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**Do not connect this element to a power source without first reading the general guidance below and instructions overleaf.**

**Input Voltage:** 220-240V 50Hz

**Timer Settings:** 1-5 Hours

**Setting Temperature:** 45-65°C

**Frost Protection:** 7°C

**IP Rating:** IPX4

**Insulation:** Class 1

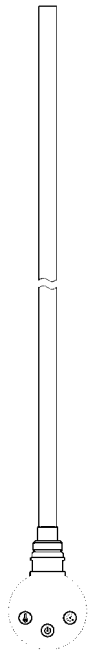
**Application:** This element is not suitable for dry heating. It must be submerged in liquid (either in a liquid-filled electric-only installation, or as part of a dual-fuel installation).

**Dry heating this element (operating when not submerged in water) will destroy the unit and invalidate any warranty.**

**General Operating Instructions:**

- Ensure the EARTH terminal has been connected.
- Ensure the input voltage conforms to the grid standard.
- Ensure the O-ring is present on the element and Tee piece (if in use).
- This product should be installed by a trained electrician.
- Ensure there are no leaking joints after the unit is switched on.
- Ensure the towel rail is filled approximately 90% with liquid before switching the unit on.
- For dual-fuel installations, ensure the element is not used when the central heating is on.
- Ensure the towel rail is vented shortly after switching the unit on.
- For installations connected to the central heating, ensure the system is thoroughly flushed before installation, to remove any metal, flux and foreign residue. Not doing so can result in pinhole leaks and will not be covered under warranty.

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## 'Electric-only' Element Installation

1. **IMPORTANT.** Always switch off the power supply at the mains during installation and maintenance. We recommend that the fuse is withdrawn or circuit breaker switched off at the distribution board while work is in progress.
2. The element must be fitted to the towel rail before mounting the rail on wall.
3. Ensure all threaded joints are wrapped with PTFE tape.
4. Ensure the O-ring is present on the element thread.
5. Insert the element into the chosen side of the rail, bottom only, and tighten into place using a spanner.
6. Fill the rail approximately 90% with liquid, to allow for expansion.
7. Insert the blanking plug (with PTFE tape) into the open tapping, and tighten with a spanner.
8. Fit the rail to the wall, following the manufacturers fitting instructions.
9. Connect the element to the mains power using a BS fused connection unit.  
The wires should be connected as follows: **Blue** (Neutral), **Brown** (Live), **Green/Yellow** (Earth).
10. The fused connection unit should be fitted with a 5 Amp fuse to BS1362.
11. Shortly after switching on the unit, ensure the towel rail is bled for any excess air.
12. Check for leaks and re-tighten joints as necessary.

## 'Dual-fuel' Element Installation

1. **IMPORTANT.** Always switch off the power supply at the mains during installation and maintenance. We recommend that the fuse is withdrawn or circuit breaker switched off at the distribution board while work is in progress.
2. The element must be fitted to the towel rail before mounting the rail on wall.
3. Ensure all threaded joints are wrapped with PTFE tape.
4. Ensure the O-ring is present on both the element and Tee piece threads.
5. Insert the element into the Tee piece and tighten with a spanner.
6. Insert the Tee piece with electric element into the chosen side of the rail, bottom only, and tighten with a spanner.
7. Fit the rail to the wall and connect to the central heating, following the manufacturers fitting instructions.
8. Once the rail is mounted on the wall and connected securely to the central heating system, open the radiator valves and allow the rail to fill.
9. Once the rail has filled with water, with the central heating OFF, use the air vent to purge any excess from the rail.
10. Connect the element to the mains power using a BS fused connection unit.  
The wires should be connected as follows: **Blue** (Neutral), **Brown** (Live), **Green/Yellow** (Earth).
11. The fused connection unit should be fitted with a 5 amp fuse to BS1362.
12. Shortly after switching on the unit, ensure the towel rail is bled again for any excess air.
13. Check for leaks and re-tighten joints as necessary.

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