

# Touch Thermostatic Element

## Instruction Manual



WARNING: Read these instructions carefully before using the appliance



# SAFETY INSTRUCTIONS

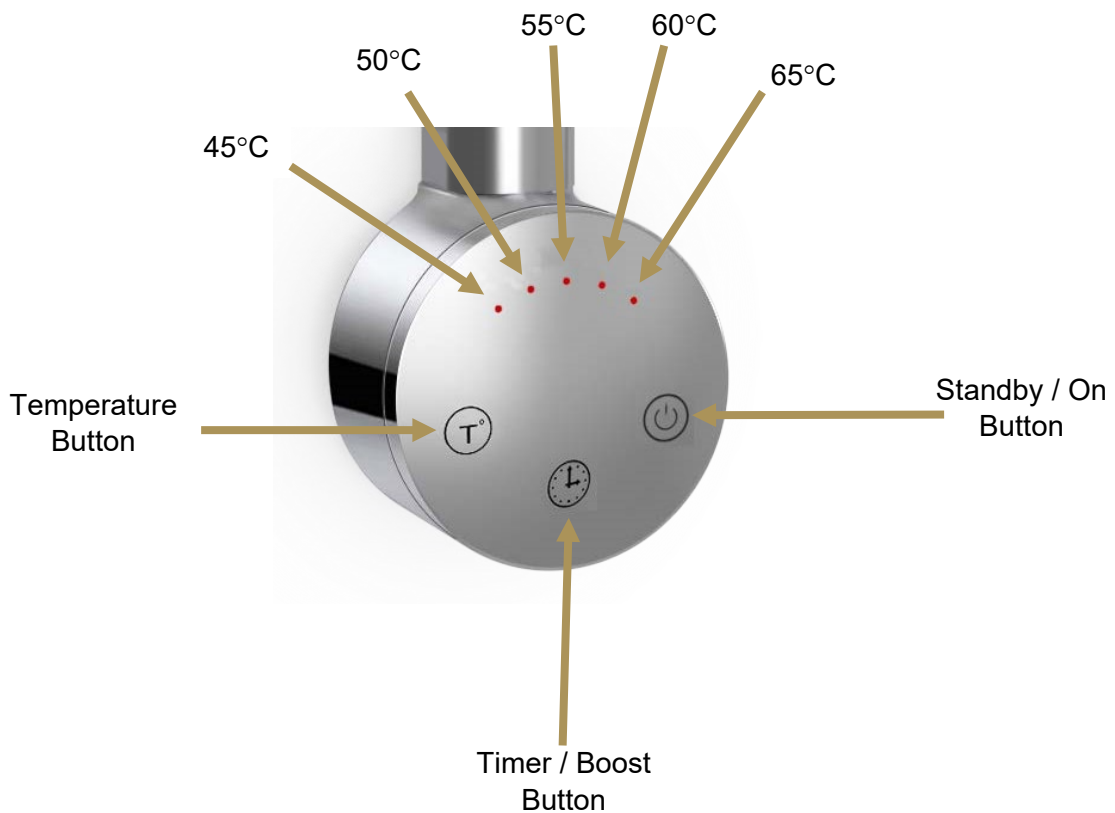
Please read this instruction carefully before using or installing the heating element. 

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory, or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- Some parts of this product can become very hot and cause burns. Do not touch the surface when in operation. Do not install close to curtains or other combustible materials. Particular attention should be given where children and vulnerable adults are present.
- The element must be installed by a licensed electrician in accordance with current IEE wiring regulations. Ensure that the electrical supply is fully isolated before commencing installation or servicing. The element must be connected to a 220-240 Volt AC mains power supply via a fused spur cable outlet, and must be earthed.
- The element must NEVER be used unless it has been professionally installed inside a towel rail filled with fluid to the correct level. The element will cease functioning if it is not fully submerged in a suitable fluid during operation.
- The recommend quantity of fluid with the towel rail is 90% of the unit's total volume. If you are installing the element in a towel rail that has been pre-filled for use with this element, do not allow fluid to escape when the element is fitted. In the case of loss of heating fluid, contact your supplier.
- Do not use the device if you detect damage to the mains plug or power cable. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons to avoid a hazard. All repairs and servicing must be carried out by a qualified person.
- The towel rail in which the element is installed must be permanently fixed to the wall. Do not fit the towel rail below or in front of an electric socket.
- The element must be placed where the switches and controllers cannot be touched by a person in a bathtub or shower.
- The element must be disconnected from the mains during cleaning and maintenance.
- Never attempt to disconnect the control head from the heating element. The product is an integrated unit that has been factory sealed.
- Do not open the element — any interference with internal components will invalidate the warranty.
- If the towel rail is used to dry clothing or towels, ensure the fabrics have only been washed in water, to prevent the device coming into contact with harsh chemicals.
- **WARNING:** In order to avoid a hazard for very young children, this appliance should be installed so that the lowest heated rail is at least 600 mm above the floor.

## TECHNICAL INFORMATION

Voltage	220-240V AC / 50Hz
Wattage	100-1200W
Temperature Setting (Internal Temperature)	45-65°C In 5°C Increments
Frost Protection	7°C
IP Rating	IPX4
Boost Mode	Boost 2H, B1, B2
Appliance Class	Class I
Thread Size	G ½"
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).

## TECHNICAL INFORMATION



# OPERATION INSTRUCTIONS

## Standby Mode

When the element is power connected (⏻), 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. In standby mode, press any other button on the element will not activate it.

## Heating Mode

Press the power button (⏻) or (T), the element will begin the constant heating mode and a red light will appear on the power button (⏻). When the element has finished heating up, the red light will change to blue (⏻).

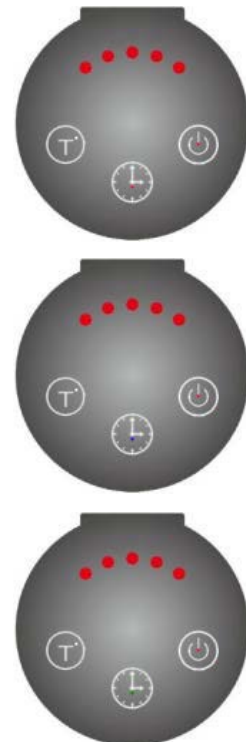
Press the temperature button (T) to control the heat output of the element. The LED indicators at the top of the unit will light up red to indicate the temperature setting. Each light represents increments of 5°C, between 45°C and 65°C. The default setting is 50°C, press (T) to increase or decrease to the desired temperature.

## Boost Mode

There are 3 boost settings available (2H/B1/B2), depending on your requirements. 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 most mode is activated.

- “Boost 2H” mode: press the boost button (⌚) once to activate the element for a period of 2 hours. In this mode the boost button will show a red light. The temperature is automatically controlled so as not to exceed 65°C. At the end of the 2 hour period, the element will return to “standby mode”.
- “B1” mode: press the boost button (⌚) twice to activate B1 mode. In this mode the boost button will show a blue light. The element will activate boost for a period of 2 hours. After this period, it will return to “standby mode” for 22 hours, then it begins boost mode again for 2 hours. This is repeated endlessly.
- “B2” mode: press the boost button (⌚) three times to activate B2 mode. In this mode the boost button will show a green light. The element will activate boost for a period of 2 hours. After this period, it will return to “standby mode” for 10 hours, then it begins boost mode again for 2 hours. This is repeated endlessly.



## Error Mode

The LED indicators at the top of the unit will flash red slowly 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.

# INSTALLATION

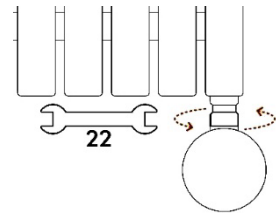
These are general-purpose instructions for fitting your element into a suitable towel rail. Always check with the manufacturer to ensure the product is suitable for use with the element and follow any additional installation guidance provided with the unit. Installation must be completed by a qualified electrician. Do not attempt installation DIY.

## 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



## MAINTENANCE

- Before performing maintenance, always unplug the unit from the mains system.
- Periodically check the fluid level in the towel rail and ensure the heating element is completely submerged.
- Clean the product with a dry or damp cloth. If necessary, use a very small amount of detergent, ensuring that it contains no solvents or abrasives.

## NOTES PRIOR TO REMOVAL

- Before dismantling permanently, disconnect the heating element from the mains and ensure that the towel rail is not hot.
- Be aware. A towel rail filled with liquid can be very heavy. When moving the towel rail, ensure that you take the necessary safety precautions.
- Before disassembly, close the appropriate valves and drain the towel rail completely to avoid causing any damage.

## PRODUCT DISPOSAL

This product should not be disposed of as general waste but should be brought to the appropriate collection point for re- cycling of electric and electronic devices. This information is provided by the sign on the product, user manual and packaging. Information on the appropriate point for used devices can be provided by your local authority, product distributor or the store from where the product was purchased. Thank you for your effort towards protecting the environment.

