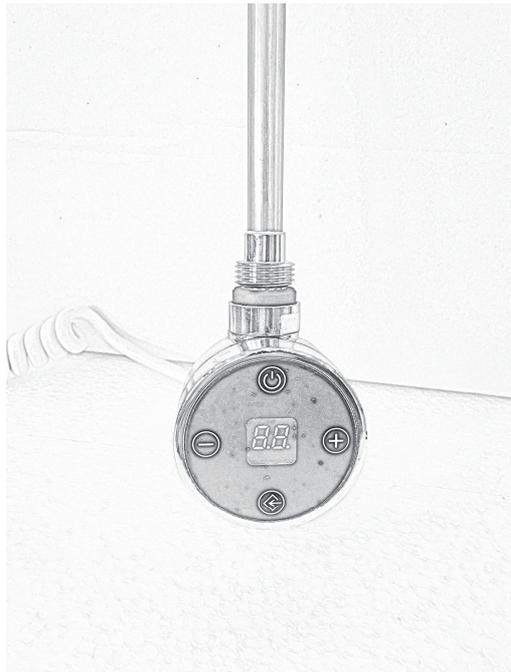


Installation and User Manual



Before you begin installation, setup or operation of the unit, please read all of these instructions carefully. Please note all signs, notices and technical information. All instructions to be followed in full.

1. Safety & Warnings

- Electric Towel Rails must be installed by a licensed electrician in accordance with the current IEE wiring regulations.
- The product should be permanently fixed and connected to the 220/240 Volt AC mains power supply via a fused spur/cable outlet, and earth bonded .
- **This product is a Class 1 unit and as a result it must be earth connected.**

- The element must **NEVER** be used without the towel rail being filled with water or fluid at correct fluid level.
- Only use the device in a suitable towel rail, for space heating and/or towel drying.
- This element should be mounted vertically and in the **BOTTOM** of the towel rail only.
- It is imperative that you have the correct fluid level(90% fluid of towel rail total volume is recommended) in the towel rail before the element is used.
- A Never attempt to disconnect the control unit from the heating element. It is a unit that was factory-sealed. The separation and attempt of separation can lead to the destruction of the whole device and invalidates all claims under warranty or liability.
- Be ensuring the O-ring is on the connection part before installation. This o-ring is preventing the leakage after installation.
- The appliance is not a toy for children.
- The unit is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, only use if they are supervised by a competent person.

2. Installation of the Element into the Towel Rail

The heating element can be used as a electric heater in a sealed towel rail or as a summer element in a towel rail that has also been plumbed into the central heating system, if the latter is the case that the element will be used in conjunction with a central heating system,the element will need to be fitted with a conversion tee, as below.

2.1 'Electric Only' Heating Element Installation



1. **IMPORTANT.** Always switch off the electricity supply at the mains during installation and maintenance. We recommend that the fuse is withdrawn or circuit breaker switched off at the distribution board whilst work is in progress.
2. The element must be fitted to the radiator before mounting the radiator to the wall.
3. Wrap P.T.F.E tape around the element thread and the blanking plug thread.
4. Check that the o-ring is present on the threaded end of the element.
5. Insert the electric heating element into the chosen side of the towel radiator, bottom only, and tighten it into place using a spanner.
6. Fill the radiator to approximately 90% with water to allow for expansion.
7. Insert the blanking plug into the open tapping, and tighten it into place using a spanner
8. Fit the radiator to the wall, following the radiator 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

2.2 'Dual-Fuel' Installation Central Heating and Electric Element

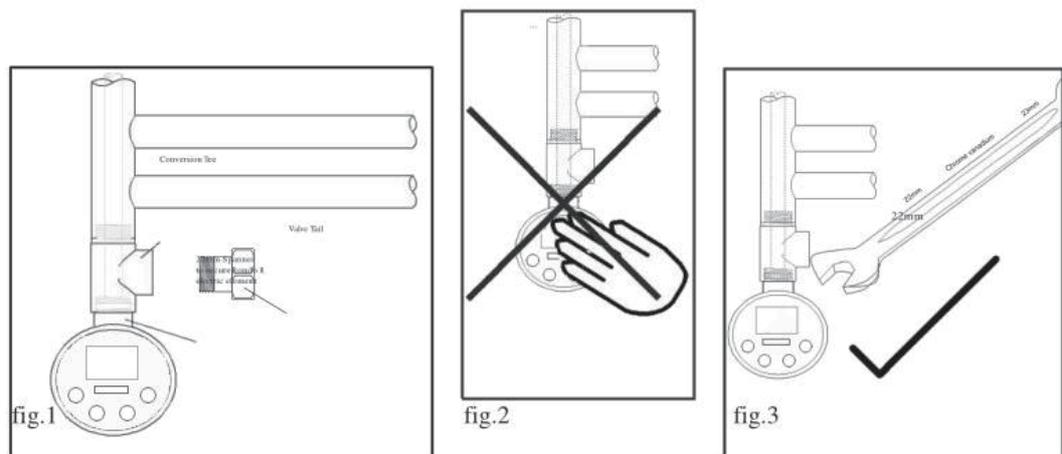


1. **IMPORTANT.** Always switch off the electricity supply at the mains during installation and maintenance. We recommend that the fuse is withdrawn or circuit breaker switched off at the distribution board whilst work is in progress.
2. The element must be fitted to the radiator before mounting the radiator to the wall.
3. Wrap P.T.F.E tape around the element thread and the T-Piece thread.
4. Check that the o-ring is present on the threaded end of the element.
5. Screw the element into the T-Piece and tighten it into place with a spanner.
6. Insert the T-Piece with electric element into the chosen side of the towel radiator and tighten into place using a spanner.
7. Follow the towel radiator fitting instructions.
8. You must make absolutely certain that the system is THOROUGHLY flushed with a flushing agent before it is commissioned, to rinse out any metal, flux and foreign residue and the system must also be thoroughly vented. Not doing this can cause pinhole leaks (which may not be covered under the manufacturer's guarantee).
9. Open the valves to the radiator and, using the air vent, fill and purge the remaining air from all radiators, including the decorative or towel radiator with the heating system off.
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. Switch on mains supply and test. (NB Remembering that the element should NOT be used when the central heating is on.)
The radiator should heat up.
13. Check for leaks and re-tighten joints as necessary.

Warning!

The heater is only suitable for VERTICAL installation on the **BOTTOM** of the Towel rail. Do not install horizontally, as correct operation cannot be guaranteed .
Never tighten using the housing itself (fig.2), Always use the correct tools (Spanner)(fig.3).



3. Operation instruction:

- 3.1 **Switch on:** Press button  ,the device will begin to work;
- 3.2 **Switch heating mode:** Pushing button  ,it will begin the constant heating mode. while pushing  button,it will switch to boost TIMER mode of 2 and 4 hours.

3.2.1 Consistant heating mode : When the device switch ON, The Temperature selection is made by the +/- buttons on the control unit in 5°C increments between 30°C and 70°C. For example:

3.2.2 Timer mode: Pushing  button, the device will enter 2/4H heating mode. it will work as 2 hours as boost . Pushing button  again, it will work as 4 hours as boost . The screen will show as  or . After 2/4 hours or pushing button  during forced heating process, it will go back to original mode.

3.3 Switch off:

3.3.1 press button  , the device will be off



4. Protective shutdown (Error):

Temperatures measured above 120 ° C or below -25 ° C by the thermostat, it will switch the unit into a default mode "Er"

