

# Installation Guide

## Heated / Non-Heated Towel Ladders - 240V

### OVERVIEW

Installing 240V Heated Towel Ladders is done in 2 separate stages. For Concealed wiring (hardwired), provision must be made for a switched supply wire through the wall surface. This can be located at any one of the 4 mounting points of the ladder. For plug in ladders, a switched plug socket is required within 1 meter from any one of the 4 mounting points of the ladder (to be selected at time of purchase). The above provisions are not required for Non-Heated Ladders.

**WARNING:** For safety protection, this electrical appliance relies on the earth being connected to a residual current device. Please ensure this device is installed, connected and working. In order to avoid hazards for young children, this appliance should be installed so that the lowest rail is at least 600mm above the floor. This appliance **MUST** be installed by a licenced electrician.

### WIRING

#### Concealed Wiring Connection:

- Make provision for 1mm Twin & Earth wire to the location of any of the 4 wall mounting points.
- Ensure the hole where the wire protrudes the wall surface, is no more than 12mm diameter (optional backplates are available if required).
- The mains supply must be switched - preferably using a timer.

#### Plug-In Wiring Connection:

- Make provision for a switched plug socket within 1 meter from the ladder.
- Any leg can be selected for the plug lead at time of purchase only.

### HEATED TOWEL LADDER

#### Concealed Wiring Connection:

- Using the supplied double sided tape, stick the MDF Drilling Template on the wall by locating the slotted hole over the supply wire.
- Using the drilling template as a guide, drill holes in the wall surface (remove templates after).
- Using the supplied wall plugs, screws and washers fit the wall mounting components.
- Connect the Live, Neutral and Earth to the ladder Live (brown), Neutral (blue) and Earth (green/yellow) wires using the supplied crimps  
NOTE: Connecting wires are available through 2 legs - The wires **NOT USED MUST BE INSULATED.**
- Use a heatgun to shrink the outer sleeve of the crimps - (NOTE this is a very important step to maintain the IPx5 rating).
- Place the ladder over the Wall Mounting Components and install the supplied grub screws (x4).
- Test - heating takes 30 minutes to reach full temperature (when covered with a dry towel).

#### Plug-In Wiring Connection or Non-Heated Models:

- Using the supplied double sided tape, stick the MDF Drilling Template on the wall at the desired location.
- Using the drilling template as a guide, drill holes in the wall surface (remove templates after).
- Using the supplied plugs screws and washers fit the wall mounting components.
- Place the ladder over the Wall Mounting Components and install the supplied grub screws (x4).

**Note:** Non thermostatically controlled heated towel rails only heat to optimal temperature when covered with a towel.



A licensed electrician is required to carry out the installation of Heated Towel Ladders using the Concealed Wiring System.



For prolonged element life and energy conservation, Heated Towel Ladders should be connected to a timer (not included), set to 25% usage or less.



## WARRANTY

Avenir warrants all our products (including heating elements) against defective materials or workmanship for a period of ten (10) years from the date of purchase. Installation labour and transformer is covered for the first 12 Months. Please note this warranty does not cover installation issues - if you are having difficulties installing this product, we are happy to assist telephonically but we do not come to site.