



## Installation Guides

VERSION 2019.07-001



# Installation Guide

## Floor Standing Heated Rail - 24V

### OVERVIEW

Thank you for choosing an Avenir heated towel rail - All Avenir products are designed, developed and tested in Australia to last a lifetime and to exceed your expectations. Its important to understand that with low voltage products the performance of the product can be impeded significantly if not installed correctly and in accordance with this installation guide. Common issues arise from not using the supplied low voltage wire, installing the transformer too far away or using a low voltage wire with the incorrect specifications - **Please only use the supplied low voltage wire.** Installation of TENO heated rails is done in 2 stages.

#### WARNING

- This appliance **MUST** be installed by a licenced registered electrician.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard. All pole disconnection in the fixed wiring shall be provided.
- This product should be supplied by an approved transformer which provides 24V~ output voltage and sufficient output power appropriate to the specification of the product - see product rating label. Transformer must not be overloaded.

### OVER TILE INSTALLATION

- Using the supplied low voltage wire, make provision to connect this wire from the transformer location, through the wall surface at the location of either of the 2 floor mounting points (feet). Note: Do not cut or extend the supplied low voltage wire.
- Install a 24V~ transformer with sufficient output power appropriate to the specification of the product (see product rating label) in an **accessible ventilated area**.
- Connect a switched mains supply appropriate to the transformer input. Note it is preferable that this supply is controlled by a timer. Do not install any switching device that controls the low voltage circuit - always switch the mains supply to the transformer only.
- Using the supplied double sided tape, stick the MDF Drilling Template on the floor by locating the slotted hole over the supply wires.
- Using the drilling template as a guide, drill holes in the floor surface (remove templates after).
- Using the supplied Dynabolts, fix the Mounting Feet to the floor.
- Connect the low voltage wires protruding from the floor to the heated towel ladder using the supplied crimps
- Use a heat gun to shrink the outer sleeve of the crimps - (NOTE this is a very important step to maintain the IPx5 rating).
- Place the rail over the Mounting Feet and lightly tighten the 2 grub screws - NOTE Grub screws cannot be removed - only loosen to remove rail.
- Test - heating takes 30 minutes to reach full temperature (when covered with a dry towel).

### UNDER TILE INSTALLATION

- As above except the Mounting Feet must be installed prior to tiling as show overleaf.
- Note In order to ensure rail slides over the Mounting Feet completely to the bottom, it is important not to contaminate the Mounting Feet with tile adhesive.

**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.