



Installation Guides

VERSION 2020.08-001



Installation Guide

Folded Heated Towel Ladders - 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 HYBRID, MILLI EDGE and FOLD heated ladders is done in 2 stages.

WARNING

- This appliance **MUST** be installed by a licenced registered electrician.
- In order to avoid hazards for children, this appliance shall be installed so that the lowest rail is at least 600mm above the floor.
- 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.

1. WIRING & TRANSFORMER (*)

- Using the supplied low voltage wire, make provision to connect this wire from the transformer location, through the wall surface at the location of any of the 4 wall mounting points (legs). Note: Do not cut or extend the supplied low voltage wire. Ensure the hole where the wire protrudes the wall surface, is no more than 10mm diameter (optional back plates are available if required).
- Install a 24V~ transformer with sufficient output power appropriate to the specification of the product (see product rating label) in an **accessible ventilated area** - e.g. in the ceiling cavity above the heated towel ladder. If there is no suitable location for the transformer within 3 meters of the ladder, please contact Avenir for advice.
- 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.

2. TOWEL LADDER

- Using the supplied double sided tape, stick the Drilling Template on the wall by locating the larger hole over the supply wire.
- Using a spirit level, the supplied diamond drill bit and Drilling Template as a guide, drill 4 pilot holes in the wall surface (remove templates after). You will need to use a standard 8mm spade bit to complete the drilling to the depth of the blue wall plugs.
- Insert the 4 blue wall plugs into the wall and screw the 4 Wall Connectors (Part A) to the wall - note their orientation
- Connect the supplied green Electrical Connector to the low voltage wires protruding from the wall and insert into the Wall Connector - note the **orientation must match the connector in the heated towel ladder**. (*)
- Slide the 4 chrome sleeves (Part C) over the connectors (Part B) on the heated towel ladder
- Fit the 4 rubber seals by sliding them over the wall connectors (Part A)
- Fit the ladder to the wall by sliding the 4 Sleeves (Part C) over the Wall Connectors (Part A)
- Press against the front of the ladder, with only the palm of your hand, at each wall mounting point - a positive "click" will be heard
- Test - heating takes 30 minutes to reach full temperature (with dry towel draped over rail)

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

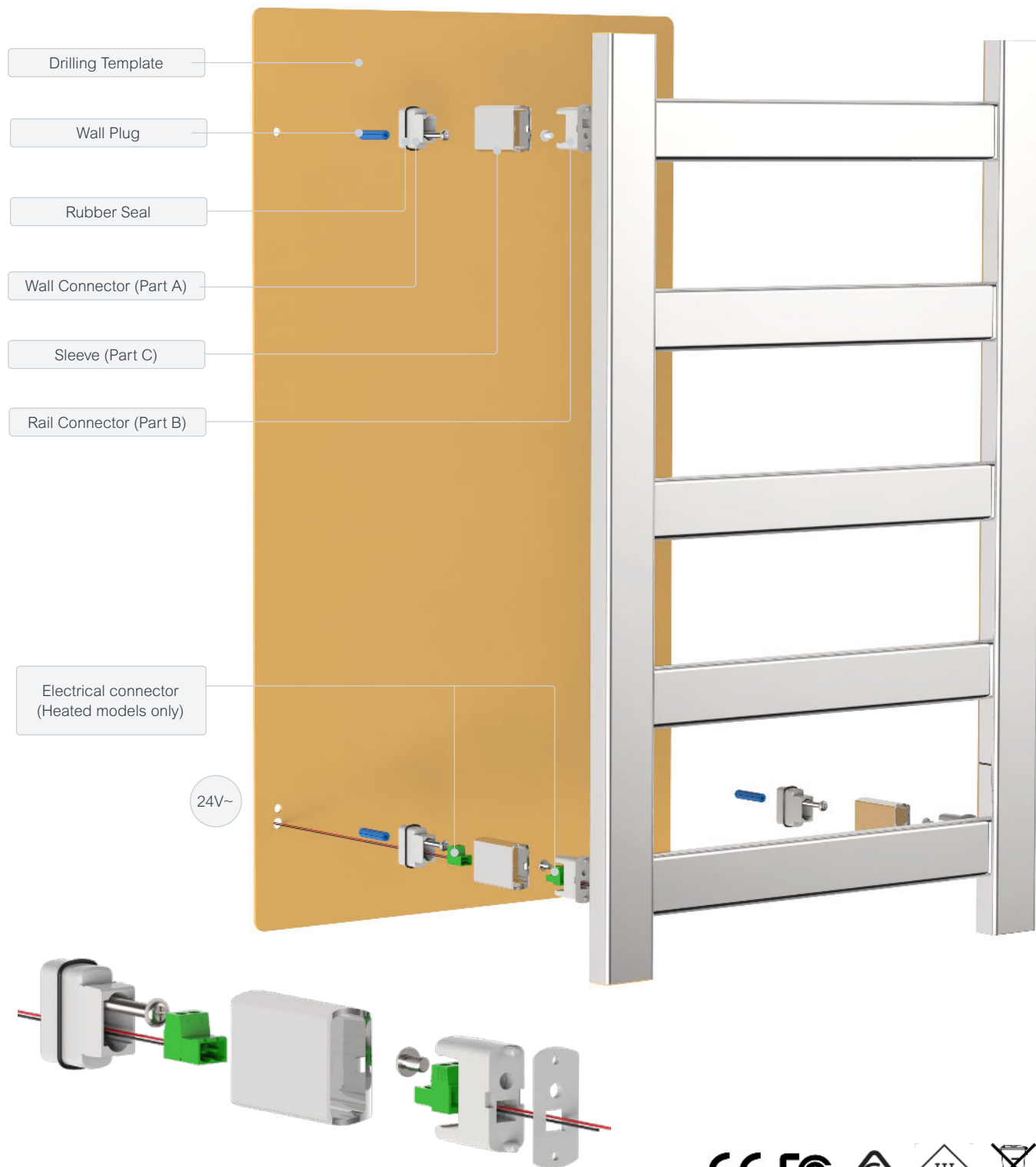
* Note - only applied to heated ladders - please ignore for non heated models



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



A timer (set to 25% usage or less) MUST be fitted to prolong the life of the heating elements and the transformer. Transformer warranty is VOID if not.



WARRANTY

Avenir warrants all our products 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 only. Transformer warranty is VOID if no timer is installed. Please note this warranty does not cover installation issues - if you are having difficulties with installation we are happy to assist telephonically. For technical support please call +61 0417478029.