

# Installation Guide

## Folded Towel Ladders - Low Voltage

### OVERVIEW

Installing an AVENIR low voltage Heated Towel Ladder is done in 2 separate stages. Provision must be made for a low voltage supply wire from the supplied transformer location, through the wall surface. This can be located at any one of the 4 mounting points of the ladder. Plug in option is not available for low voltage ladders. (\*)

#### WARNING:

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 & TRANSFORMER (\*)

- Using the supplied low voltage wire, make provision to connect this wire from the supplied transformer, through the wall surface, to the location of any of the 4 wall mounting points (legs).
  - Note: Do not cut or extend the supplied low voltage wire
  - Note: If there is no suitable location for the transformer within 3 meters of the ladder, please contact Avenir for advice
  - Note: The transformer must be located in an **accessible ventilated area**
- 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.
  - Note: Do not install any switching device (switch or timer) that controls the low voltage circuit - always switch the 240V supply

### TOWEL LADDER

- Using the supplied double sided tape, stick the MDF 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 fixture as a guide, drill holes in the wall surface (remove templates after).
- One of the 4 supplied connectors will have electrical contacts (\*)
  - Use Part A to terminate the low voltage supply wires before fixing to the wall (\*)
  - Using the mating Part B to terminate the wires protruding from the ladder, then fix this part to the ladder (\*)
  - NOTE: Connecting wires are available through 2 legs - **The wires NOT USED MUST BE INSULATED (\*)**
- Fit the remaining 3 connectors Part A (without electrical contacts) to the wall (\*\*)
- Fit the remaining 3 connectors Part B (without electrical contacts) to the ladder (\*\*)
- Slide 4 chrome sleeves (Part C) over the parts mounted to the wall (Part A x 4)
  - NOTE: The orientation of the sleeves (small slot is away from the wall)
- Fit the ladder to the wall by sliding the connector (Part B x4) into the sleeves (Part C x4)
- Press against the front of the ladder at each wall mounting point - a positive "click" will be heard
- Insert the supplied locking small counter-sunk screws (x4) into each leg as shown
- Test - heating takes 30 minutes to reach full temperature (with 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

\*\* Note - for non heated models: Fit remaining 4 connectors Part A & B (without electrical contacts)



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.