

# Installation Guide

## Xeric Heated Rails

### OVERVIEW

Installation of XERIC heated rails is done in 2 stages. The transformer (sold separately) must be installed in an accessible ventilated location with a 240V supply via an appropriate switch or timer (recommended). Provision must be made for low voltage wires (supplied red & black wire) from the transformer to the top entry point (wall mounting) of each rail, through a small hole (6mm) in the wall surface. Note: XERIC rails can be installed vertically or horizontally.

To ensure safety for young children, the bottom rail is at least 600mm from the floor.

### TRANSFORMER

- Install the transformer (sold separately) in an accessible, ventilated location - usually this is in the ceiling space above
- Make provision for a 240V supply to the transformer primary via a switch or a timer (recommended)
- Using the supplied 2 meter length of red & black wire, make provision from the transformer secondary to the to entry point of each rail
- Multiple rails must be wired in parallel whilst observing the maximum wattage of the transformer (5 rails maximum)

#### **THIS PRODUCT IS DESIGNED TO HEAT OPTIMALLY WITH THE SUPPLIED 2 METER WIRE**


It is not recommended to extend or shorten this wire - if you have to extend the wires then increase the wire gauge


### HEATED RAILS

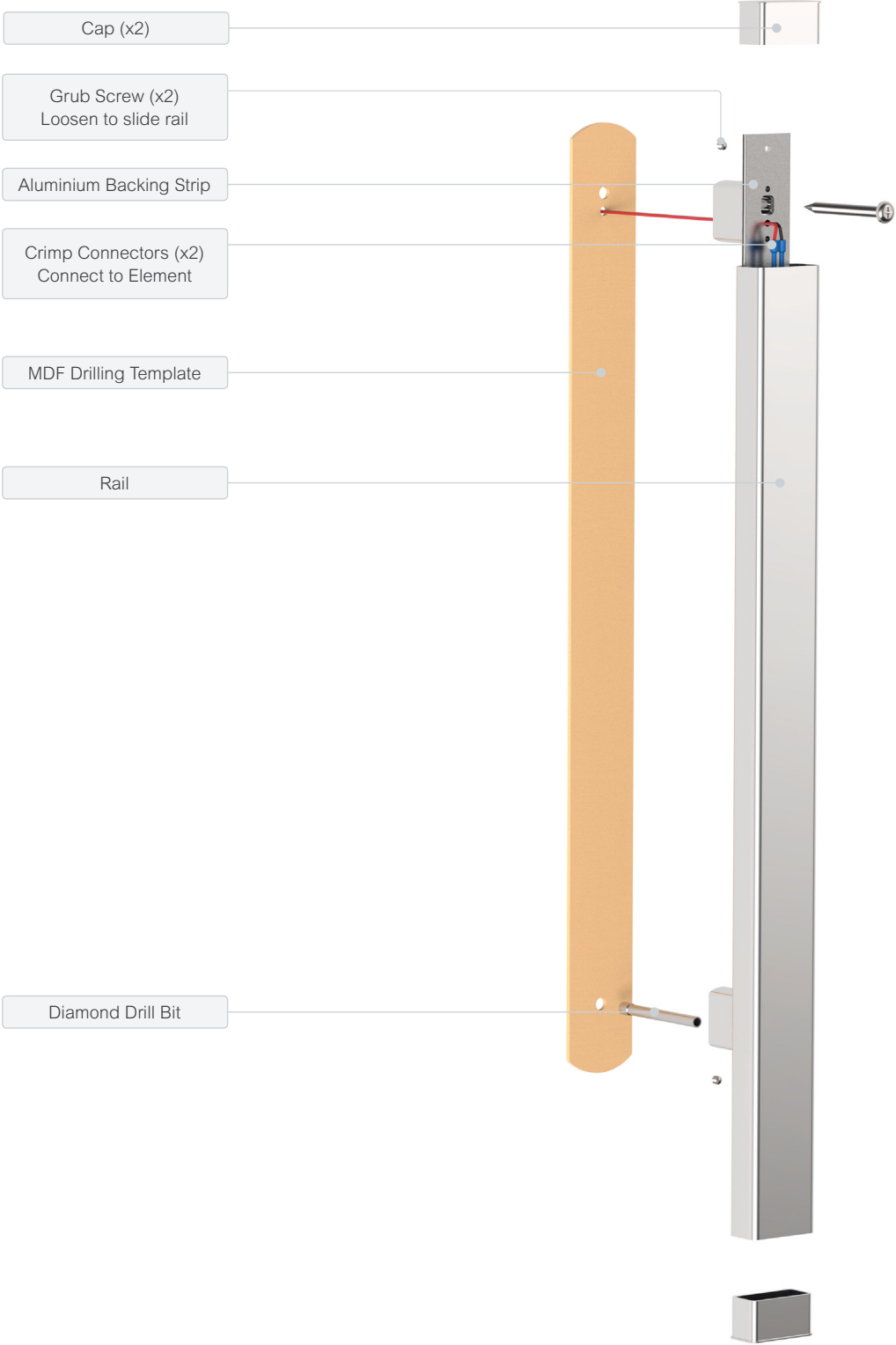
#### **Install the heated rails as follows:**

- Using the supplied double sided tape, stick the drilling templates on the wall by locating the small (6mm) hole over the protruding wires.
- Using the drilling template as a guide, drill holes in the wall surface (remove templates after)
- Loosen the 2 grub screws at the back of the rail and remove the 2 plastic caps
- Slide the rail partway off the aluminium backing strip past one of the wall mounts - NOTE: do not remove the rail completely.
- Using the supplied wall plugs & fasteners, screw the bottom wall mount to the wall
- Slide the rail downwards such that the top wall mount fixing point is exposed
- Screw the top wall mount to the wall
- Using the supplied bullet crimps, connect the element wires to the red and black supply wires
- Feed the looped end of the element wires into the rails
- Slide the rail upwards such that it is aligned with the aluminium backing strip
- Fit the 2 caps and tighten the grub screws from behind the rail
- Test - heating takes 30 minutes to reach full temperature (with a towel draped over).

**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.