

INSTALLATION INSTRUCTIONS: VERTICAL SINGLE BARS



Fixings pack includes

- Flat threaded bar
- Hollow threaded tube
- Fixing nut

Use the above behind wall or behind tile to allow pre-wire.

- Threaded spigot – goes over the threaded tube after tiling
- 2 x non-threaded spigot – use one at non-wired end or use both if installing non-heated
- Screws and wall plugs
- Spigot with 2 holes – to be used as 'last resort' if behind wall/tile pre-wire fixings have not been installed – note you will need to drill a fixing hole within 5mm of the supply cable so we strongly recommend you try to avoid this method.



Please choose one of the following:



1/ Components to use for:
standard behind wall/behind
tile installation (heated)



2/ Components to use for:
installing the VTR non heated



3/ Components to use for:
installing VTR heated but
haven't installed the behind
wall/tiles fixing (i.e. if you just
have a small hole in the tiles
with the wire coming through)
NOTE this should be used as
LAST RESORT if behind wall/
tile fixing has been missed

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PLEASE READ THROUGH THESE INSTRUCTIONS BEFORE INSTALLATION

The towel rail is designed for drying towels and is intended for use in residential and hotel bathrooms. The towel rail must be installed in accordance with local wiring regulations and it is recommended that it is installed at least 300mm above floor level.

Electrical

- This product must be installed by a licensed electrician
- The 12v transformer must be positioned in a dry, accessible location
- The distance from the towel rail to the transformer should be less than 3m
- A means for disconnection must be incorporated into the fixed wiring in accordance with AZ/NZS 3000:2000
- The waterproof wirenut connectors provide an IPX7 rating
- The towel rail can be installed in wet area zones 1, 2 and 3 as specified in AZ/NZS 3000:2000

Wall preparation

Radiant towel rails can be fixed to any type of wall, timber stud or masonry. Stud walls require timber noggins at the correct position for the fixing bracket. Fixing to plasterboard or cement sheeting alone would require special fixings with a high load rating.

Pre wiring

Vertical rails should be wired at either the **TOP** or the **BOTTOM** – **NOT BOTH**. These rails are 12V and therefore should be wired through the transformer **included** with the rail.

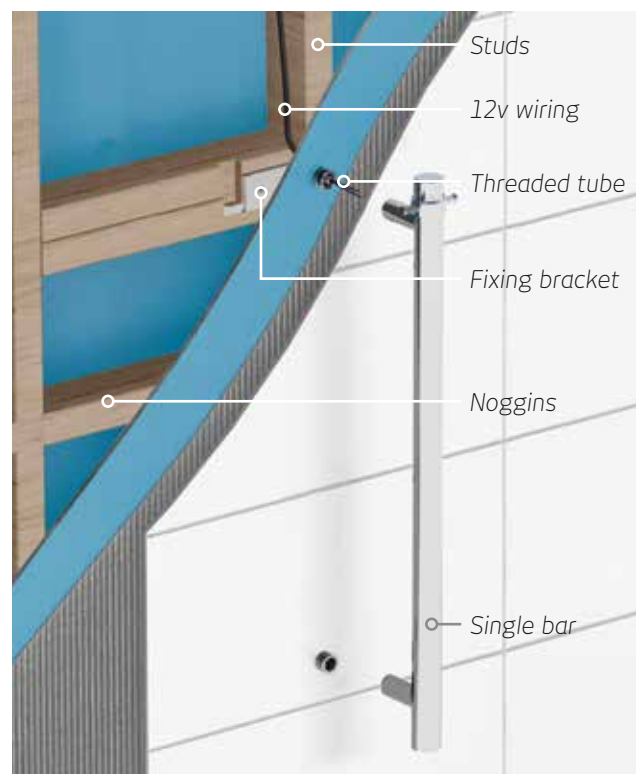
Please be aware that when testing the electronic transformer it will only show an output **WHEN CONNECTED TO A LOAD** (I.E. THE TOWEL RAIL).

If testing when not connected to the rail you will not get an output voltage so do not assume the transformer is faulty.

Figure 1

Stud walls - The fixing bracket should be attached to the noggins. Where multiple rails are being installed please ensure the brackets are all aligned horizontally as you cannot adjust the position once tiled. Once the spacing of the towel rails has been determined (we recommend 150-200mm centre to centre), screw the threaded tubes into the bracket at the desired positions. Secure the threaded rod in place, using the nut provided, behind the bracket. When the gyprock or sheeting is applied to the stud wall, corresponding holes should be drilled to allow the threaded tube to protrude through approximately 15mm beyond the finished wall surface (**if the wall is being tiled, make allowance for the thickness of the tiles**).

Figure 1



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Figure 2

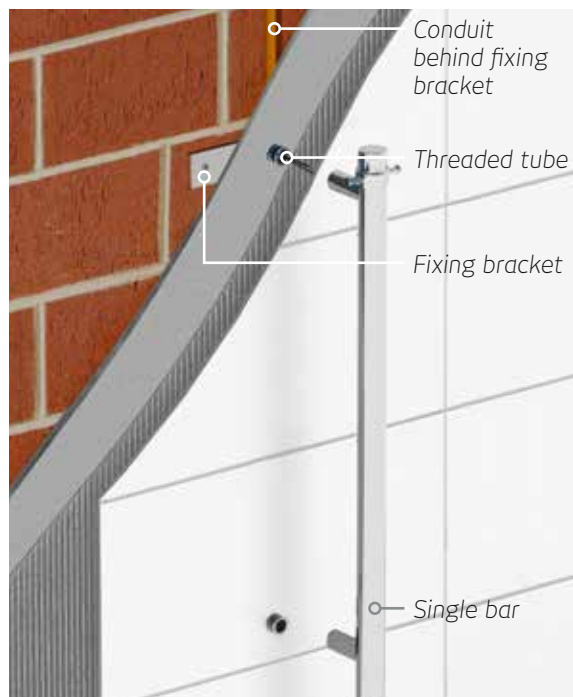
Masonry walls - Mark the position of each of the rails horizontally across the wall. We recommend that rails should be positioned 150-200mm centre to centre. Install the fixing bar using the fixing screws. Then using an angle grinder and masonry cutting disc you will need to create a 20mm vertical deep slot above each. Install a conduit into each slot (figure 3). Drill and plug the fixing holes and attach the bracket to the wall. THE BRACKET MUST BE HORIZONTAL AND THE THREADED TUBES MUST BE AT A 90° ANGLE TO THE WALL. The threaded tubes should protrude approximately 15mm from the **FINISHED** wall surface. Run the wiring through each threaded tube, into the conduit and to the transformer.

Note: If wall is to be tiled add thickness of the tiles and glue to how far threaded tubes protrude through wall.

Figure 2



Figure 3



Round (VTR-950)

Flat (FVTR-930)

