

Thermorail Single Rail

12Volt Heated Towel Rail

Installation Guide

Contents

- What's in the box? 3
- Concealed Wiring Installation 4
- Wiring Diagrams 5
- Technical Specifications 6
- Safety & Care Information 7
- Warranty Information 8
- Warranty Registration 9
- Contact Us 10

What's in the box?

Check you've got everything:

- Thermorail Single Bar Rail
- 12Volt Transformer
- Screw Kit including:
 - 2 x Mounting Brackets (Supplied inside bar)
 - 2 x Wall Plugs
 - 2 x Countersunk Screws
 - 2 x Grub Screws (Supplied inside bar)
 - 1 x Allen Key



Mounting Bracket



Wall Plug



Countersunk Screw



Grub Screw



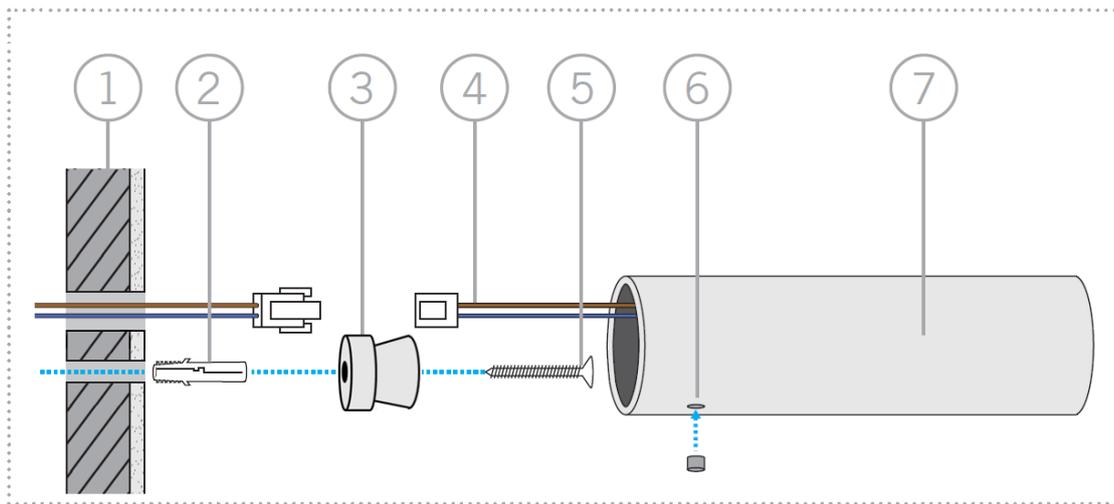
Allen Key

Please note these parts are not to scale

You will also need:

- Cross Head Screwdriver
- Pencil
- Spirit Level
- Tape Measure
- 6mm Drill Bit
- Cordless Drill
- Electrical Supply

Standard Installation



Key

1. Wall

2. Wall plug

3. Mounting bracket

4. Connection clip

5. Countersunk screw

6. Grub screw

7. Towel rail

1. Switch off the mains power

You will be installing the Thermorail as part of a high voltage mains electrical circuit. To ensure your safety and to protect the Thermorail, switch off the mains power before you start the installation.

2. Install the transformer and connection cable

The transformer is to be installed in the ceiling or the wall cavity no further than 2m from the rails and needs to be connected to the mains power supply in accordance with current local building regulations. If mounting in the wall cavity the transformer must be behind an access plate or a timer/switch to enable access and the transformer must have ventilation. Wire up the connection cable(s) to the transformer ensuring that multiple rails are wired in parallel.

Test A: Ensure that there is 240 Volt power coming into the transformer. Once checked, tick this on page 11.

Test B: Ensure the transformer is wired up correctly according to the diagrams on page 7 (When using the DTRAN ensure it is wired to the two outer terminals on the 12 Volt side). Once checked, tick this on page 11.

3. Install the two wall brackets

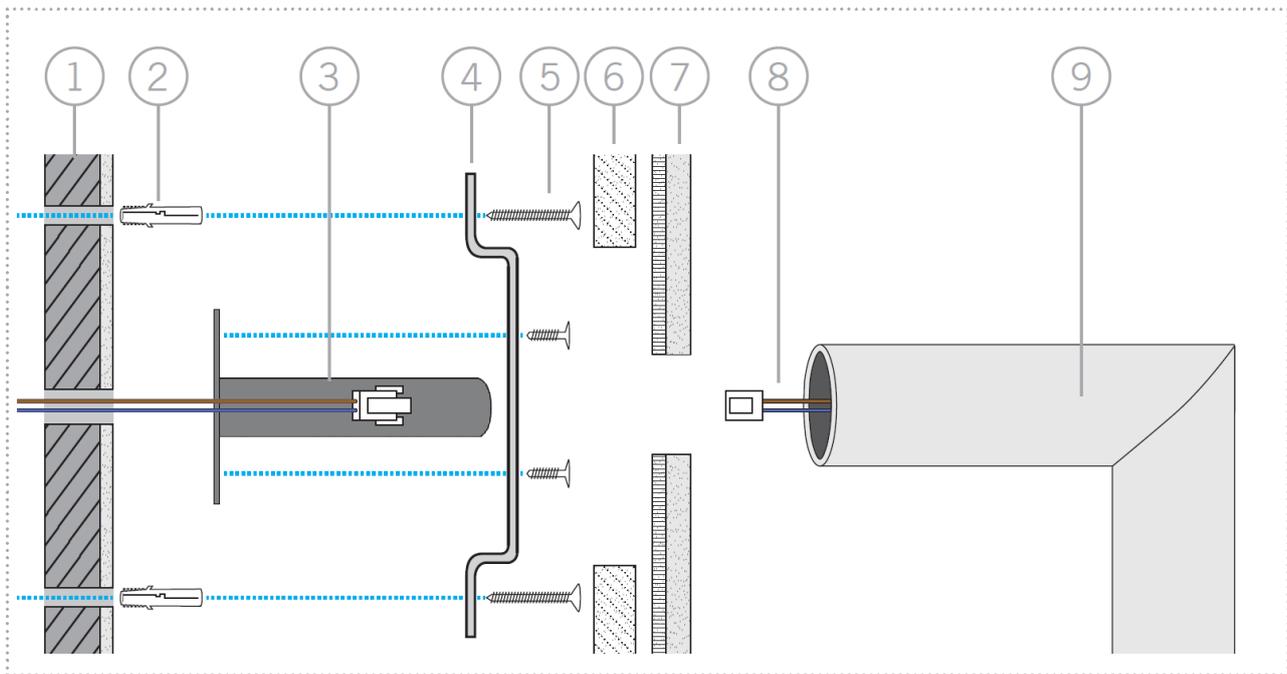
Measure and mark out the bracket positions making sure that they are level. Drill a 6mm hole for each of the wall brackets and insert the suitable wall plugs. Now fix the two wall brackets in place using a screwdriver and countersunk screws provided. On the right hand side drill a 2nd 6mm hole for the cable.

4. Fix the Thermorail in position

Remove the grub screws from the rail and locate over the mounting brackets. Connect the cable clips and fix the rail in position and tighten with the grub screws and allen key provided. Repeat for all rails.

Test C: Ensure the connection clips are clipped together securely. Once checked, tick this on page 11.

Mounting System Installation



- | | | |
|------------------------|-----------------------|-----------------------|
| 1. Wall | 4. Mounting system | 7. Tiles and adhesive |
| 2. Suitable wall plugs | 5. Countersunk screws | 8. Connection clip |
| 3. Mounting spigot | 6. Tile backer boards | 9. Towel rail |

1. Switch off the mains power

You will be installing the Thermorail as part of a high voltage mains electrical circuit. To ensure your safety and to protect the Thermorail, switch off the mains power before you start the installation.

2. Install the Transformer and connection cable

The transformer is to be installed in the ceiling or the wall cavity no further than 2m from the rails and needs to be connected to the mains power supply in accordance with current local building regulations. If mounting in the wall cavity the transformer must be behind an access plate or a timer/switch to enable access and the transformer must have ventilation. Wire up the connection cable(s) to the transformer ensuring that multiple rails are wired in parallel.

Test A: Ensure there is 240Volt power coming into the transformer. Once checked, tick this on page 11.

Test B: Ensure the transformer is wired up correctly according to the diagrams on page 7 (When using the DTRAN ensure it is wired to the two outer terminals on the 12 Volt side). Once checked, tick this on page 11.

Mounting System Installation

3. Install the mounting system

The mounting system is only required at the wiring position which is on the right-hand side and each rail will require only one mounting spigot. Fix all the spigots to the mounting system (using the larger holes) at the desired spacing with the supplied fixing screws. Measure and mark out the vertical installation line where you are going to install the mounting system. Mark and predrill fixing holes and holes for the electrical connection cables to pull through. **Please Note:** The electrical cables need to come through the same holes as the mounting spigots **above** the spigot. Fix the mounting system to the wall with suitable fixings and pull all the electrical connection cables through the mounting system ready for installation. Overboard the wall with 12mm gyprock or villa board and cover the mounting system with mesh tape to aid adhesion of the tile adhesive.

4. Tile the wall

Adhere the tiles to the wall. Drill or cut out a 14mm hole in the tile(s) that will be installed over the spigots. This will allow the spigots to protrude through the final tiled wall finish.

5. Install the left-hand side mounting bracket

Measure and mark out for the left-hand side mounting bracket ensuring it is level with the spigot(s) on the right-hand side. Drill the holes and insert suitable wall plugs. Now fix the mounting brackets in place.

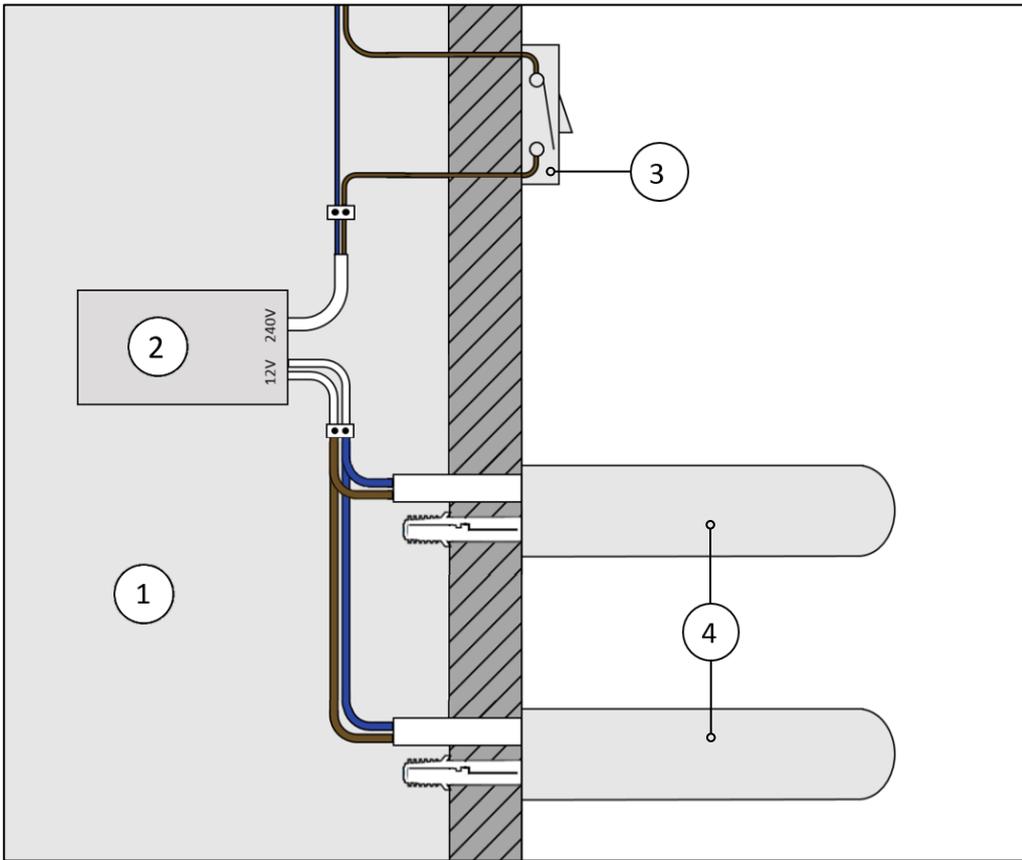
6. Fix the Thermorail in position

Remove the grub screws from the towel rail and locate the rail over the spigot and the mounting bracket. Connect the cable clips and fit the towel rail in position and tighten with the grub screws and allen keys provided. Repeat for all rails.

Test C: Ensure the connection clips are clipped together securely. Once checked, tick this on page 11.

Wiring Diagrams

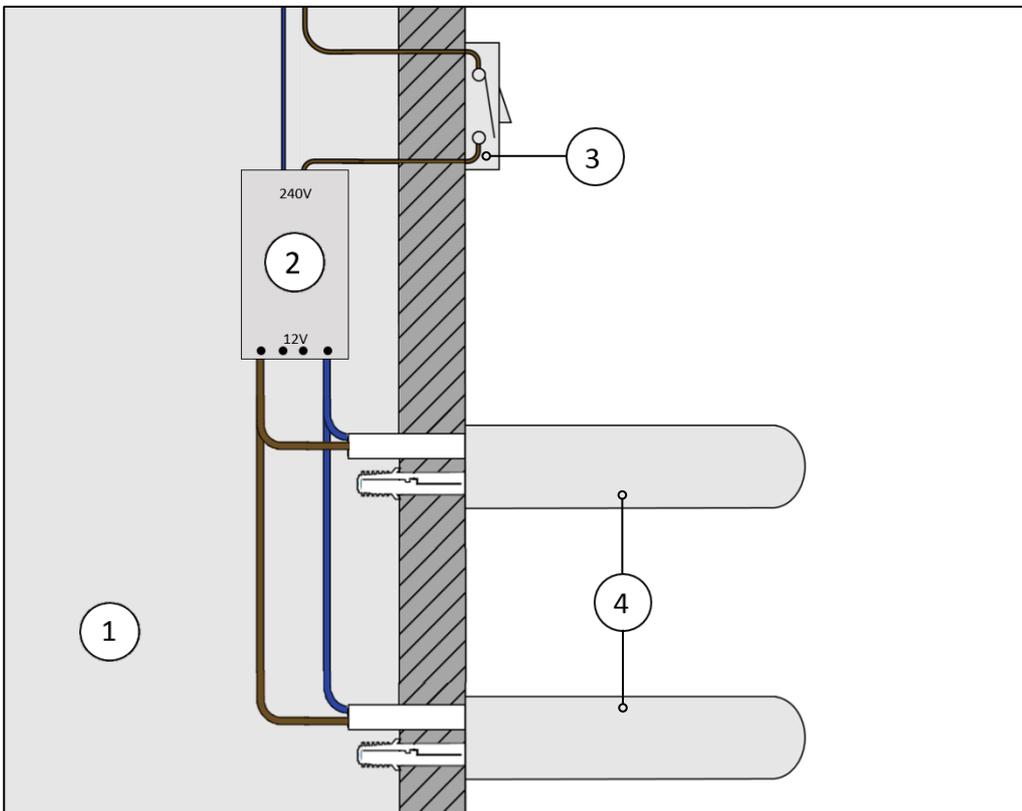
7089 60Watt Transformer Wiring Diagram



Key

- 1. Wall Cavity
- 2. Transformer
- 3. Switch/Timer
- 4. Thermorail

DTRAN 105Watt Transformer Wiring Diagram



Key

- 1. Wall Cavity
- 2. Transformer
- 3. Switch/Timer
- 4. Thermorail

PLEASE NOTE: Multiple rails need to be wired in parallel

Technical Specifications

CODE	NO. OF BARS	SIZE (MM)	OUTPUT WATTAGE	WARRANTY (YRS)
DSS4	1	W450 x H40 x D100	17	10
DSS6	1	W632 x H40 x D100	23	10
DSS8	1	W832 x H40 x D100	30	10
DSS6B	1	W632 x H40 x D100	23	7
DSS6BR	1	W632 x H40 x D100	23	7
DSS6W	1	W632x H40 x D100	23	7
DSR6	1	W632 x H32 x D100	18	10
DSR6B	1	W632 x H32 x D100	18	7
DCF7	1	W700 x H40 x D100	21	10
DCR7	1	W700 x H32 x D100	15	10
DSC6	1	W640 x H40 x D100	23	10

Supply Voltage	240V 50Hz
Transformer Voltage	12V
Wiring Side	Right
Wiring Method	Hardwired
Warranty on Transformer	1yr

Safety & Care Information

Safety Information

Thermorail Heated Towel Rails should be installed and tested by a qualified electrician and in accordance with current local regulations. We recommend that the rail is installed onto a flat uniform wall, with the bottom bar at least 600mm from the floor and with a 300mm clearance from permanent fixtures. Recommended spacing between single bar rails is 200mm and for optimum efficiency single bar rail should be installed in sets of three or four. Where possible the Thermorail Heated Towel Rail should be screwed into studs or other suitable dry wall anchors, if fixings to hollow walls suitable anchors should be used.

Please read and understand this installation guide in full before commencing installation. If you have any queries in regards to installation, please call 1300 368 631.

- Observe and adhere to electrical guidelines when placing your Thermorail in wet areas
- Ensure any timers or switches used are installed in correct zones according to the IP rating of the timer/switch
- Ensure that your Thermorail is protected by a suitably rated RCD circuit
- Do not use the towel rail to hold towels or other articles that have been in contact with oil, petroleum based products or dry cleaning fluids
- This appliance is intended to warm and dry towels and therefore is hot to touch so when near young children or infirm persons, close supervision is necessary
- Do not immerse your Thermorail in any liquid
- Ensure the transformer is located no further than 2m from the Thermorail(s)
- Ensure the transformer is accessible and has adequate ventilation

Care Information

The Stainless Steel finish of your Thermorail Heated Towel Rail is hard wearing and easy to maintain. However any harsh scrubbing, scratching or acid based cleaning products will damage the surface of your towel rail. Cleaning with a soft cloth and a non-abrasive cleaning agent will give the best results.

Warranty Information

Thermogroup covers all its products with a satisfaction guarantee. In addition, Thermogroup will supply a replacement product where a fault is shown to be caused by manufacture, materials or workmanship providing the goods have been installed correctly and according to installation instructions. This guarantee does not include removal, freight or installation costs. Thermogroup's products come with guarantees that cannot be excluded under Australian Consumer Law and you are entitled to a replacement or refund for a major failure & compensation for any other reasonable foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

To use the warranty, repair or service the customer must provide purchase invoice/receipt, and completed warranty registration form.

If the product develops a fault within the warranty period due to normal wear and tear, Thermogroup at its discretion will recognise whether it's a faulty product or not. If it is impossible or not economical for the manufacturer to repair the product, the manufacturer will replace the faulty product with a new unit of the same model or if there is no stock available of the same model as the product, the manufacturer will replace the product with a new unit of a similar size. No responsibility can be taken for altered dimensions and lining up of existing holes.

The repair service offered within the warranty period only covers the faults and problems as developed from the manufacturer's errors. Any damage caused by improper use or carelessness or incorrect wiring is not covered.

Thermogroup is not responsible for any monetary loss or injuries caused by improper use of this product.

Warranty Registration

The Thermorail Heated Towel Rail warranty against manufactures defects is a limited liability warranty and will only apply if the product is registered online. Online registration must be completed within 60 days of installation. Failure to complete this form will void the warranty.

THERMORAIL STOCK NO.	ISOLATING SWITCH/ TIMER INSTALLED	TIMER STOCK NO.	TRANSFORMER STOCK NO.	TEST A <small>See Page 7 & 8</small>	TEST B <small>See Page 7 & 8</small>	TEST C <small>See Page 7 & 9</small>
0 DSS6 (Example)	Timer Insulating Switch / None	TRTS	7089 / DTRAN	✓	✓	✓
1	Timer / Insulating Switch / None		7089 / DTRAN			
2	Timer / Insulating Switch / None		7089 / DTRAN			
3	Timer / Insulating Switch / None		7089 / DTRAN			
4	Timer / Insulating Switch / None		7089 / DTRAN			
5	Timer / Insulating Switch / None		7089 / DTRAN			
6	Timer / Insulating Switch / None		7089 / DTRAN			
7	Timer / Insulating Switch / None		7089 / DTRAN			
8	Timer / Insulating Switch / None		7089 / DTRAN			
9	Timer / Insulating Switch / None		7089 / DTRAN			
10	Timer / Insulating Switch / None		7089 / DTRAN			

Fill out and sign below to declare that all the information recorded on this form correlates to the installation.

Installer

Name: _____

Email: _____

Address: _____

Postcode: _____

Phone: _____

Signature: _____

Customer

Name: _____

Email: _____

Address: _____

Postcode: _____

Phone: _____

Signature: _____

International contact details

AU Enquiries

Thermogroup AU
sales@thermogroup.com.au
www.thermogroup.com.au
1300 368 631

UK Enquiries

Thermogroup UK
sales@thermogroupuk.com
www.thermogroupuk.com
0800 019 5899

EU Enquiries

Thermogroup EU
sales@thermogroupeu.com
www.thermogroupeu.com
00353 (0)1 866 0584

Thermogroup



That little bit extra...