

**Warmup**

# Heated Towel Rails

## Installation Manual



Technical Helpline  
**0345 345 2288**

**IMPORTANT!**

Please read this manual before attempting to install your Warmup product. Complete and submit your warranty form online at [www.warmup.co.uk](http://www.warmup.co.uk)



[www.warmup.co.uk](http://www.warmup.co.uk)

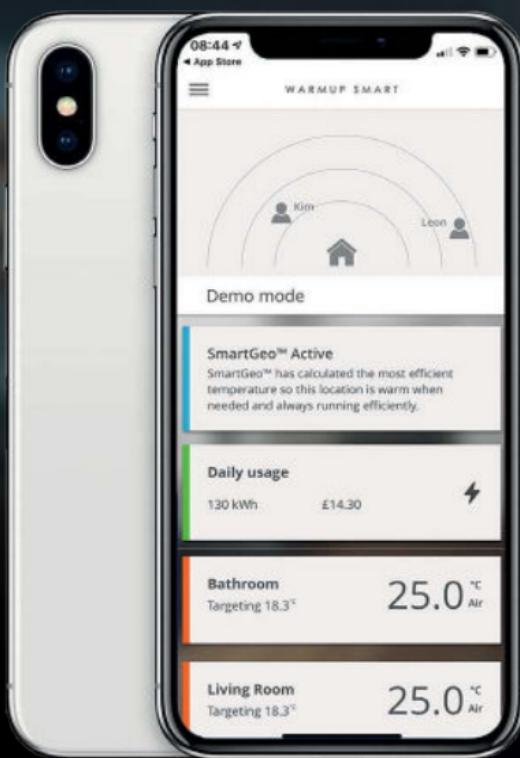


# Warmup®

The world's **best-selling** floor heating brand™

**Over 2.5 million installations  
in more than 72 countries**

## Experience MyHeating™



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Unique SmartGeo™ automatically turns down the heating when you're out.



### Easy to use

Simple and secure setup using WiFi, with 24/7 technical support.



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6IE OB WiFi Thermostat



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## **WARNING!**

Your Warmup® heated towel rail has been designed so that installation is quick and straight forward, but as with all electrical systems, certain procedures must be strictly followed. Warmup plc, accepts no liability, expressed or implied, for any loss or consequential damage suffered as a result of installations which in any way contravene the instructions that follow.

It is important that before, during and after installation that all requirements are met and understood. If the instructions are followed, you should have no problems. If you require help at any stage, please contact our helpline.

You may also find a copy of this manual and other helpful information on our website:

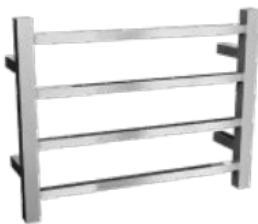
**[www.warmup.co.uk](http://www.warmup.co.uk)**

# COMPONENTS REQUIRED FOR INSTALLATION



## Components available from Warmup

### Ladder Rails



### Warmup Heated Towel Rail and Components

- HTR-4ROPO • HTR-4SQPO
- HTR-6ROPO • HTR-6SQPO
- HTR-8ROPO • HTR-8SQPO

### Single Bar Rails



### Warmup Heated Towel Rail and Components

- HTR-1ROPO • HTR-1SQPO
- HTR-1ROBR • HTR-1SQBR

## Additional components needed as part of your Warmup heating installation:

- 30 mA Residual Current Device (RCD), required as part of all installations.
- Digital Multi-meter required for testing the resistance of the heated towel rails.
- Measuring tape.
- Electrical housing, back boxes and junction boxes.
- Hammer.
- Masking tape.
- Spirit level.

 **DO**

- Install the Warmup Heated Towel Rails in line with these instructions. The towel rail is designed to warm towels only and not provide primary heating.
- Ensure that the control card at the back of the manual is completed and fixed at the consumer unit along with any plans and electrical test records as per the current edition of BS 7671.
- Install the towel rail at least 600 mm above the floor in order to avoid a hazard for very young children.
- Ensure that all electrical connections conform to the current BS 7671 Wiring Regulations. Final connections to the main electricity supply MUST be completed by a Part P qualified electrician.
- Ensure that the power supply to the towel rail is isolated before any installation or maintenance.

 **DON'T**

- Attempt a DIY repair if you damage the heated towel rail, contact Warmup for assistance.
- Pull on the power supply cable as it may cause damage to the towel rail.
- Attempt cleaning the towel rails using abrasive or chemical cleaners as these will damage the surface finish over time, use a soft clean cloth and a non abrasive cleaning agent.

**WARNING:** This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

# STEP 1 - ELECTRICAL SUPPLY



## Zone Chart



## Install the RCD

Install a dedicated 30 mA RCD or use an existing RCD. No more than 7.5 kW of heating may be connected to each 30 milliamp RCD. For larger loads, use multiple RCD's.

**NOTE:** In the case of bathroom installations, electrical regulations prohibit the installation of Mains Voltage products such as thermostats, contactors, fused spurs, isolators or junction boxes, within Zones 0 or 1.

Warmup Heated Towel Rails have an IP rating of IP55 and are suitable for installation within Zone 1, Zone 2, Zone 3 or outside of any Zones.

**All electrical connections must conform to the current BS 7671 Wiring Regulations. Final connections to the main electricity supply MUST be completed by a Part P qualified electrician.**

## Before you begin

In order to avoid a hazard for very young children, heated towel rails should be installed so that the lowest heated rail is at least 600 mm above the floor.



**IMPORTANT:** DO NOT mount towel rails to plasterboard alone as they will not provide enough support.

- Ensure that the wall you intend to mount the rails onto is strong enough to hold the weight of the towel rail.
- When you intend to mount the rails to stud walls, fixings must be made into the studs or noggins.



- When you intend to mount the rails to masonry walls use the wall plugs supplied.
- Cables back boxes etc., will have to be chased into masonry walls.



- Mains voltage cables installed within a wall must be fixed at least 50 mm from the wall surface or occupy the horizontal and vertical safe zones in accordance with BS 7671.

## STEP 3 - MOUNTING THE RAIL LADDER RAILS



### Components List



**1A**  
Normal  
Leg  
x 3



**1B**  
Exposed  
Wiring Leg  
x 1



**1C**  
Concealed  
Wiring Leg  
x 1



**2**  
M5 x 4  
Grub screws  
x 4



**3**  
M5 x 6  
Grub screws  
x 4



**4**  
Wall plugs  
x 4



**5**  
Mounting  
Screws  
x 4



**6**  
Wall  
Mount  
x 3



**7**  
Concealed Wiring  
Wall Mount  
x 1



**8**  
Exposed Wiring  
Wall Mount  
x 1

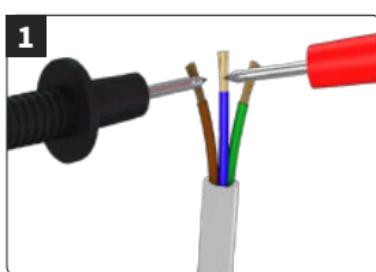


**9**  
Hex key  
x 1



**10**  
Short screws  
x 4

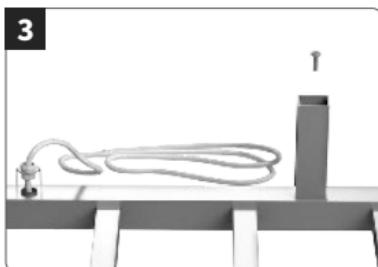
**Warmup's Ladder Towel Rails can be installed with either concealed or exposed wiring. The instructions below concentrate on concealed wiring.**



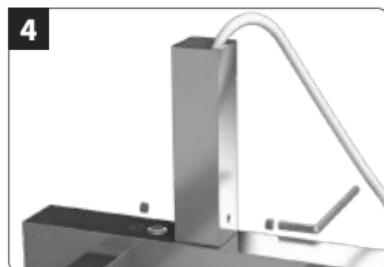
- Measure and record the resistance of the towel rails in the "Resistance Before" column of the control card, supplied as part of this installation guide.
- Stop installation immediately and contact Warmup if its resistance falls outside the values set out in the resistance table.

- Using a long screwdriver, screw the short screw (10) through the leg (1A) securing it to the towel rail body.

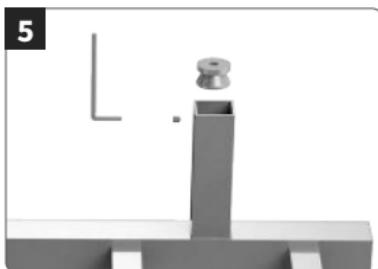
**NOTE:** The grub screw (3) should face the floor when the towel rail is mounted on the wall.



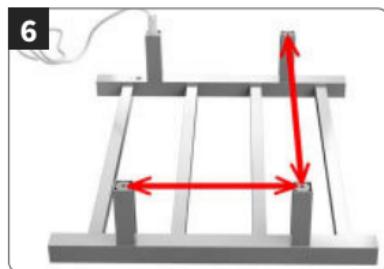
- Install the remaining 2 legs (**1A**) to the towel rail body as shown in Step 2.



- Attach the final leg (**1B or 1C**), for exposed or concealed wiring, to the towel rail body using the grub screws (**2**) as shown.



- With all 4 legs secured to the towel rail body, install the wall mounts (**6**) into each leg using the grub screws (**3**).
- Install the concealed wiring wall mount (**7**) or exposed wiring wall mount (**8**).



- Use a tape measure to measure the centre to centre distances between the wall mounts (**6**) which are secured in each leg and concealed (**7**) or exposed wiring (**8**) wall mounts.



- Mark the measurements taken in the previous step on the wall of your intended towel rail location keeping in mind that the lowest rail should be at least 600 mm above the floor level.
- Ensure the markings on the wall are level.

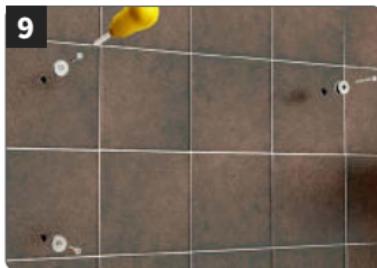


- Drill 3 holes in the wall for each of the 3 x wall mounts (**6**).

**NOTE:** For exposed wiring drill a 4th hole of equal size.

For masonry walls gently tap wall plugs (**4**) into the holes using a hammer.

## STEP 3 - MOUNTING THE RAIL LADDER RAILS

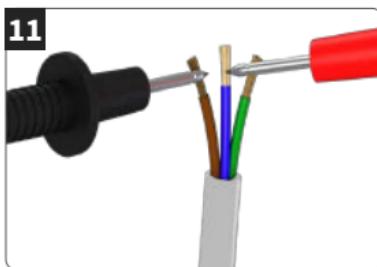


- Remove the wall mounts x 3 (6) from the legs (1A).
- Insert the mounting screws (5) through the wall mounts and secure to the wall as shown ensuring that they sit flush with the wall.

**NOTE:** For exposed wiring, install exposed wiring wall mount (8).



- Drill a larger 4th hole for the concealed wiring leg.
- Remove the concealed wiring wall mount (7) from the leg (1C).
- Apply grab adhesive to the wall mount thread and press into the drilled hole until it sits flush with the wall.



- Conduct another resistance test before mounting the towel rail to ensure it has not been damaged and record in the control card.



- Position the rail against the wall and insert the power supply cable through the concealed wiring wall mount (7).
- Place the rail onto the wall mounts (6) and secure by tightening the grub screws (3) as shown.



## STEP 3 - MOUNTING THE RAIL

### SINGLE BAR RAILS



#### Components List



**1A**  
Wall mounts  
(Round Rails)  
x 2



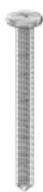
**1B**  
Wall mounts  
(Square Rails)  
x 2



**2**  
M5 x 8  
Grub screws  
x 2



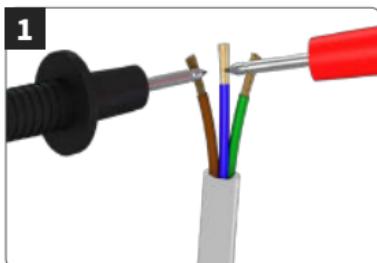
**3**  
Wall plugs  
x 3



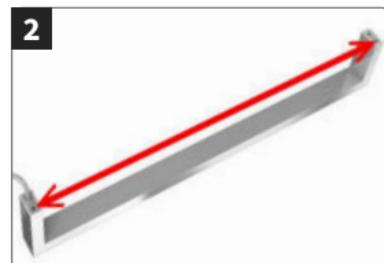
**4**  
Mounting  
Screws  
x 3



**5**  
Hex key  
x 1



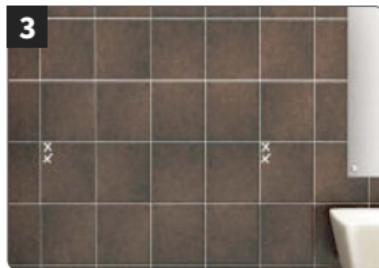
- Measure and record the resistance of the towel rails in the “Resistance Before” column of the control card, supplied as part of this installation guide.
- Stop installation immediately and contact Warmup if its resistance falls outside the values set out in the resistance table.



- Place the wall mounts (**1A** or **1B**) into the rail. Use a tape measure to measure the distance between the screw holes on the wall mounts.
- Also measure the distance between the screw and power supply cable holes.

## STEP 3 - MOUNTING THE RAIL SINGLE BAR RAILS

Warmup



- Mark the screw and power supply cable hole positions on the wall you intend to mount the rail using measurements taken in Step 2. Ensure the markings are level.

**NOTE:** The supply cable mount should be on the right hand side.

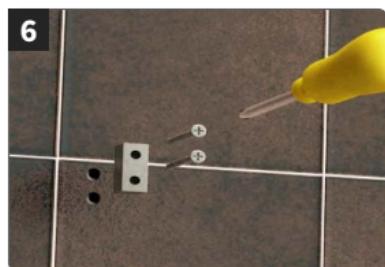


- Drill three holes into the previously marked positions, two for the mounting screws and one for the supply cable

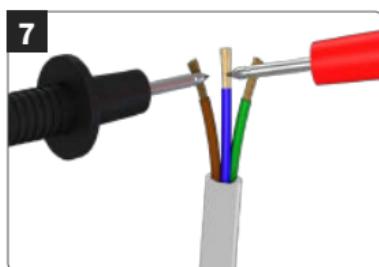
**NOTE:** For masonry walls gently tap wall plugs (3) into the mounting holes using a hammer.



- Remove the wall mounts (1A or 1B) from the towel rail by unscrewing the grub screw (2) located at the bottom of the rail.



- Insert the mounting screws (4) through the wall mounts (1A or 1B) and screw into the wall.



- Conduct another resistance test before mounting the towel rail to ensure it has not been damaged and record in the control card.



- Position the rail against the wall and thread the power supply cable through the wall mount (1A or 1B).
- Secure the rail onto the wall mounts by tightening the grub screws (2) using the hex key (5) as shown.

## STEP 4 - MAKE ELECTRICAL CONNECTION

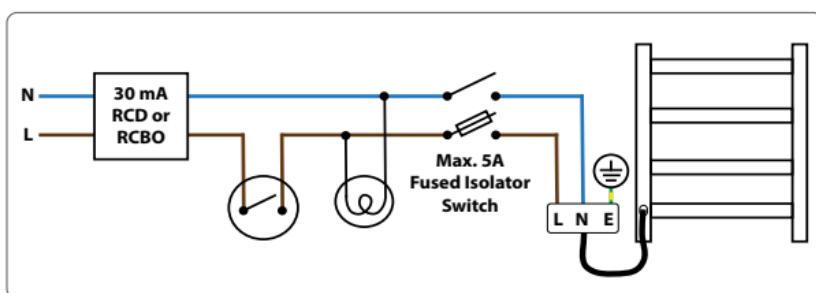


The Warmup Heated Towel Rails electrical connection must conform to the current BS 7671 Wiring Regulations. Final connections to the main electricity supply MUST be completed by a Part P qualified electrician.

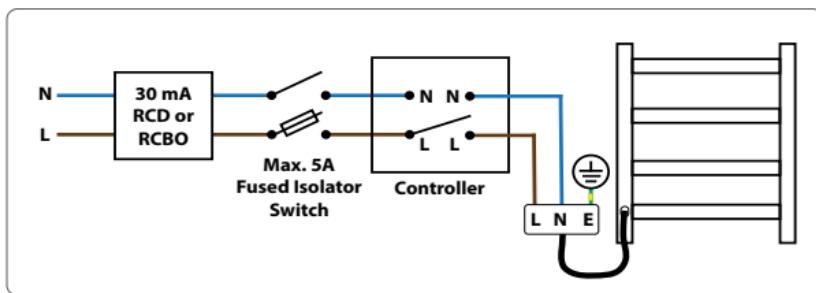


- The supply should be on a circuit protected by a maximum 5 amp fuse or circuit breaker. It is recommended that the heated towel rails supply is fitted with an in-line isolator to allow it to be independently isolated. Please see Page 6 for correct zoning.

**Warmup Heated Towel Rails can be connected into the rooms lighting circuit, enabling the towel rail when the lights are switched on.**

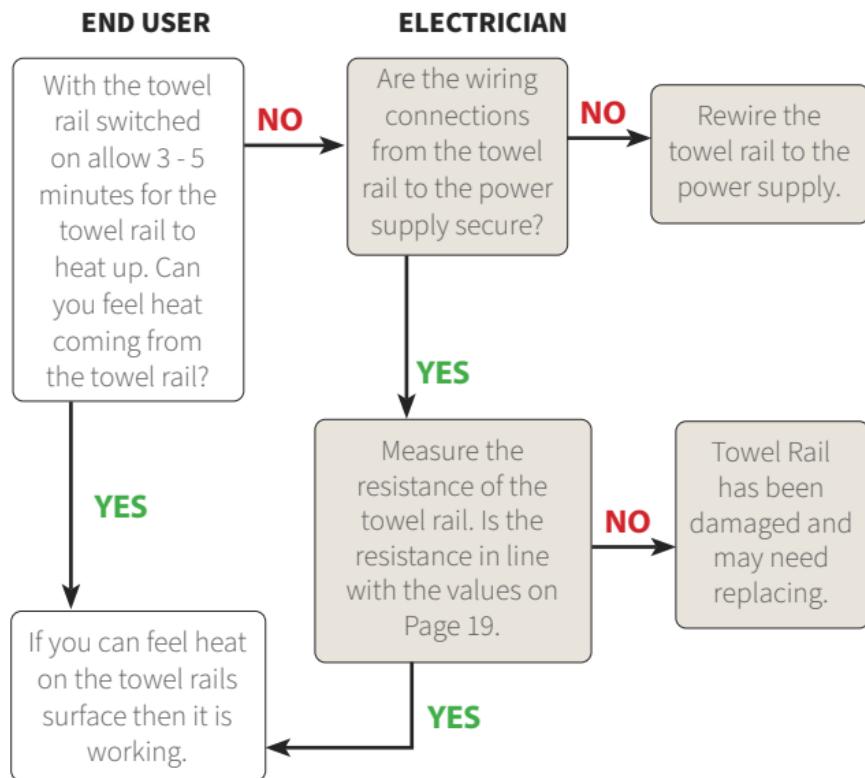


**Alternatively they can be controlled by an independent controller that provides power on demand.**



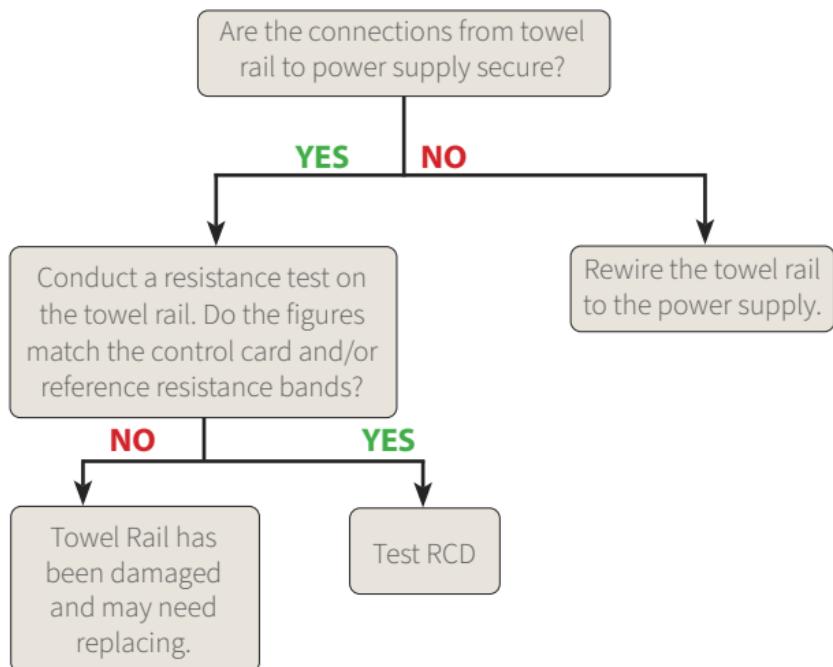
Instructions which are shaded must be completed by a qualified electrician.

**HEATING ISSUE 1** - The towel rail does not heat up.



**HEATING ISSUE 2** - The towel rail trips the RCD

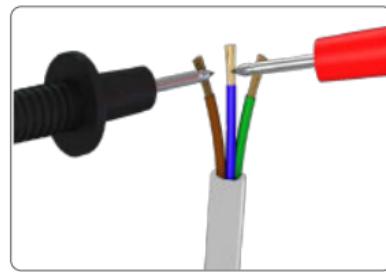
**ELECTRICIAN**



## HOW TO TEST THE HEATED TOWEL RAIL



The heated towel rails must be tested before they are installed and again before final connection is made. The resistance (ohms) of each heater should be measured. You should carry out the following tests and should expect the results detailed below:



### • **Heated Towel Rail Resistance Test**

Set a multimeter or ohmmeter to record resistance in the range of the heated towel rail. Measure the resistance across the live (brown) and neutral (blue) wires. Ensure the measured resistance is in line with Resistance values for the rail being tested.

Record the readings on the control card in line with the installation procedure.

### • **Earth Fault Check**

Set a multimeter or ohmmeter to record resistance in the range of  $1M\Omega$  or greater if available. Measure the resistance across the live (brown) and neutral (blue) wires to the earth (green/yellow) wire.

Ensure the measured resistance is showing as greater than  $500M\Omega$  or infinite if the meter cannot read this high.

### ***Insulation resistance test***

Set an insulation resistance tester to 500VDC. Measure the resistance across the live (brown) and neutral (blue) wires to the earth (green/yellow) wire. Ensure the measured resistance is showing greater than  $500M\Omega$  to indicate a pass.

Warmup® Heated Towel Rails are guaranteed by Warmup plc ("Warmup") to be free from defects in materials and workmanship under normal use and maintenance, and is guaranteed to remain so subject to the limitations and conditions described below. The Heated Towel Rail is guaranteed for 5 years, except as provided below (and your attention is drawn to the exclusions listed at the end of this guarantee).

**This 5 year guarantee applies:**

1. Only if the unit is registered with Warmup within 30 days after purchase. Registration can be completed online at [www.warmup.co.uk](http://www.warmup.co.uk). In the event of a claim, proof of purchase is required, so keep your invoice and receipt - such invoice and receipt should state the exact model that has been purchased;

&

2. Only if the towel rail has been earthed and protected by a Residual Current Device (RCD) at all times.

The guarantee period begins on the date of purchase. During the period of the guarantee Warmup will arrange for the heater to be repaired or (at its discretion) have parts replaced free of charge. The cost of the repair or replacement is your only remedy under this guarantee which does not affect your statutory rights.

Such cost does not extend to any cost other than direct cost of repair or replacement by Warmup and does not extend to costs of refacing, replacing or repairing any wall covering or walls. If the heater fails due to damage caused during installation or through misuse, this guarantee does not apply. It is therefore important to check that the heater is working (as specified in the installation manual) prior to installing.

WARMUP PLC SHALL IN NO EVENT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO EXTRA UTILITY EXPENSES OR DAMAGES TO PROPERTY.

**WARMUP PLC is not responsible for:**

1. Damage or repairs required as a consequence of faulty installation or application.
2. Damage as a result of floods, fires, winds, lightening, accidents, corrosive atmosphere or other conditions beyond the control of Warmup plc.
3. Use of components or accessories not compatible with this unit.
4. Products installed outside the United Kingdom.
5. Normal maintenance as described in the installation and operating manual, such as cleaning.
6. Parts not supplied or designated by Warmup.
7. Damage or repairs required as a result of any improper use, maintenance, operation or servicing.
8. Failure to start due to interruption and/or inadequate electrical service.
9. Any damage caused by frozen or broken water pipes in the event of equipment failure.
10. Changes in the appearance of the product that does not affect its performance.

**Register your Warmup® warranty online at**  
**[www.warmup.co.uk](http://www.warmup.co.uk)**

# TECHNICAL SPECIFICATIONS



## TECHNICAL SPECIFICATIONS - Heated Towel Rails

OPERATING VOLTAGE	230 V AC : 50 Hz
IP RATING	IP55
ELECTRICAL CLASS	Class I
CONNECTION	1.5 m LONG "COLDTAIL" CONNECTION

## Heated Towel Rail Size Guide

### Ladder Rails

PRODUCT CODE	SIZE (mm)	POWER (W)	LOAD (A)	RESISTANCE +/- 10 % (Ω)
HTR-4ROPO	<b>4 Bar Ladder - Round Polished</b> 520(h) x 500(l) x 120(d) mm	52	0.23	1017
HTR-4SQPO	<b>4 Bar Ladder - Square Polished</b> 435(h) x 525(l) x 120(d) mm	52	0.23	1017
HTR-6ROPO	<b>6 Bar Ladder - Round Polished</b> 600(h) x 650(l) x 120(d) mm	90	0.39	588
HTR-6SQPO	<b>6 Bar Ladder - Square Polished</b> 600(h) x 650(l) x 120(d) mm	95	0.41	557
HTR-8ROPO	<b>8 Bar Ladder - Round Polished</b> 800(h) x 530(l) x 135(d) mm	100	0.43	529
HTR-8SQPO	<b>8 Bar Ladder - Square Polished</b> 912(h) x 620(l) x 120(d) mm	115	0.50	460

### Single Bar Rails

PRODUCT CODE	SIZE (mm)	POWER (W)	LOAD (A)	RESISTANCE +/- 10 % (Ω)
HTR-1ROPO	<b>Single Bar - Round Polished</b> 32(h) x 650(l) x 100(d) mm	19	0.08	2800
HTR-1SQPO	<b>Single Bar - Square Polished</b> 40(h) x 650(l) x 100(d) mm	19	0.08	2800
HTR-1ROBR	<b>Single Bar - Round Brushed</b> 32(h) x 650(l) x 100(d) mm	19	0.08	2800
HTR-1SQBR	<b>Single Bar - Square Brushed</b> 40(h) x 650(l) x 100(d) mm	19	0.08	2800

Heater Location

.....

.....

Total Wattage

.....

**WARNING****Heated Towel Rail wiring located  
behind wall. Risk of electric shock!**DO NOT penetrate the wall with nails,  
screws, or similar devices in this towel  
rails location.

Heated Towel Rail Model	Resistance Before	Resistance After	Insulation Resistance

Date

Signed

Company stamp/name

This form must be completed as part of the Warmup Guarantee.  
Ensure that the values are as per the instruction manual.

This card must be situated close to the consumer unit in a visible  
place.

Warmup Plc 704 Tudor Estate, Abbey Road,  
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[www.warmup.co.uk](http://www.warmup.co.uk)

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[www.warmupdeutschland.de](http://www.warmupdeutschland.de)



# EcoDESIGN COMPLIANCE INFORMATION CARD



**This EcoDesign card must be left permanently fixed near the consumer unit.**

This product is a towel rail and in order to be compliant with the mandatory EcoDesign requirements set out in Commission Regulation (EU) 2024/1103, needs to be complemented with a control providing at least the following control functions:

Type of heat output/room temperature control (one of)		$P_{\text{nom}} \leq 60\text{W}$	$60\text{W} < P_{\text{nom}} \leq 250\text{W}$	Room temperature control power consumption	
NC	Single stage, no temperature control	<input checked="" type="checkbox"/> 1*	N/A		
TE	Electronic room temperature control	N/A	<input checked="" type="checkbox"/> 1*		
TD	Electronic room temperature control plus day timer	N/A	<input checked="" type="checkbox"/> 0*	In off mode	$P_o \leq 0.5\text{W}$
TW	Electronic room temperature control plus week timer	N/A	<input checked="" type="checkbox"/> 0*		$P_{\text{sm}} \leq 0.5\text{W}$

\* = Minimum number of other control options required for each type of heat output/room temperature control

Other control options (multiple selections possible)			In standby mode (select one)	$P_{\text{dsm}} \leq 1.0\text{W}$ (if control has an active display in standby mode)	<input checked="" type="checkbox"/>
f2	Open window detection	N/A			
f3	Distance control option	N/A	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
f4	Adaptive start control	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
f7	Self-learning functionality	N/A	<input checked="" type="checkbox"/>	$P_{\text{idle}} \leq 1.0\text{W}$	<input checked="" type="checkbox"/>
f8	Control accuracy	N/A	<input checked="" type="checkbox"/>	$P_{\text{idle}} \leq 3.0\text{W}$ (if control has a network connection)	<input checked="" type="checkbox"/>

**The following Warmup thermostats include these control function codes and power consumptions:**

Thermostat model	Control function code	Power consumption					
		Off mode		Standby mode		Idle mode	
		$P_o \leq 0.5\text{W}$	$P_{\text{sm}} \leq 0.5\text{W}$	$P_{\text{dsm}} \leq 1.0\text{W}$	$P_{\text{nsm}} \leq 2.0\text{W}$	$P_{\text{idle}} \leq 1.0\text{W}$	$P_{\text{idle}} \leq 3.0\text{W}$
Tempo	TW (f4/f8)	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	
Element	TW (f2/f3/f4/f8)				<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
6iE / 7iE	TW (f2/f3/f4/f8)	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>

For the combined heat output of all local electric local space heaters attached to an individual control please refer to the technical specification page of this manual.

## Towel Rail

Model	Power (kW)	Model	Power (kW)

If using alternative thermostats, you must complete the above card according to the definitions of the control function codes specified in Regulation (EU) 2024/1103 to ensure compatibility with this local electric space heater.

Only functions which are active when the control has been commissioned can be declared above can be used for compliance.

**Control function codes** (Required to be in manual as part Regulation (EU) 2024/1103)

Type of temperature control	Control functions	Code of temperature control (TC)	Control functions							
			f1	f2	f3	f4	f5	f6	f7	f8
Single stage, no temperature control	NC									
Two or more manual stages, no temperature control	TX									
Mechanic thermostat room temperature control	TM									
Electronic room temperature control	TE									
Electronic room temperature control plus day timer	TD									
Electronic room temperature control plus week timer	TW									
Presence detection		1								
Open window detection			2							
Distance control option				3						
Adaptive start control					4					
Working time limitation						5				
Black bulb sensor							6			
Self-learning functionality								7		
Control accuracy with CA < 2 Kelvin and CSD < 2 Kelvin										8

**Warmup plc** T: 0345 345 2288 F: 0345 345 2299 [www.warmup.co.uk](http://www.warmup.co.uk)

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**Warmup plc**

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Fax: 0345 345 2299

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