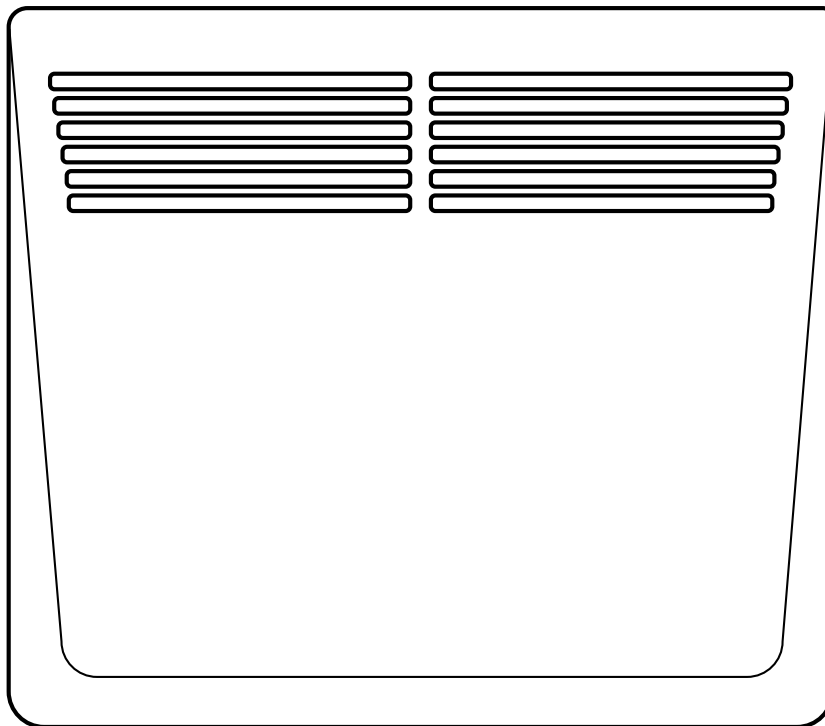


thermo Sphere

HEATING | ROOM CONVECTOR PANEL HEATER



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Warranty terms & conditions for ThermoSphere Convector Panel Heater

For the ThermoSphere Convector Panel Heater (TSCR), Thermogroup Ltd will repair or, if necessary, at its sole discretion, replace the product, which falls within the Warranty Periods and Territory specified below, subject to the warranty conditions and the warranty exclusions. Warranty Period within the United Kingdom is 2 years from the date of purchase by the consumer as defined by the Competition and Consumer Act 2010.

Our goods come with guarantees that cannot be excluded under the UK Consumer Law. You are entitled to a replacement or refund for a major failure. 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. It is the responsibility of the consumer to provide proof of purchase within the Territory.

WARRANTY CONDITIONS

1. This warranty is applicable only for TSCR appliances.
2. The TSCR must be installed in accordance with the TSCR Installation Instructions, to be supplied with the TSCR, and in accordance with all relevant statutory and local requirements of the Territory in which the TSCR is installed.
3. Where a failed component or TSCR is replaced under warranty, the balance of the original warranty period will remain effective. The replaced part or TSCR does not carry a new warranty.
4. Where a failed component or TSCR is replaced or repaired under warranty, ThermoSphere will incur costs associated with shipping and repair at its sole discretion, if the unit is installed within the UK. If the unit is outside the UK, the associated costs are the responsibility of the owner.
5. Where the TSCR is installed in a position that does not allow safe, ready access, the cost of accessing the site safely, including the cost of additional materials handling and/or safety equipment, shall be the owner's responsibility.
6. The warranty only applies to the TSCR and therefore does not cover any accessories or electrical parts supplied by others and not an integral part of the TSCR, e.g. electrical switches and electrical cabling.
7. The benefits of this warranty are in addition to other rights and remedies of the consumer under laws in relation to the goods and services to which the warranty relates.
8. The TSCR must be sized to provide adequate heat for the room and must not be installed as the sole source of heat in rooms larger than the recommended area. Doing so can cause premature ageing and failure of the heating elements.

PROCEDURE FOR HONOURING WARRANTY

1. To initiate a claim for a warranty against defects, the consumer shall contact: Thermogroup Ltd T/A ThermoSphere, Bridge House, Pattenden Lane, Marden, Kent, TN12 9QJ, United Kingdom. hello@thermosphere.com. 0800 0195899.
2. The process will then be followed to assess whether the product is under warranty.

WARRANTY EXCLUSIONS

Repair and replacement work will be carried out as set out in the ThermoSphere warranty. However, the following exclusions may cause the ThermoSphere warranty to become void and may incur a service charge and/or cost of parts:

1. Accidental damage to the TSCR or any component, including: Acts of God; failure due to misuse, abuse, fire or flood damage; incorrect installation; damage as the result of transportation, removal or storage; attempts to repair the TSCR other than by a ThermoSphere Accredited Service Agent, the ThermoSphere Service Department or a repairer not approved by ThermoSphere.
2. Where it is found there is nothing wrong with the TSCR; where the complaint is related to circumstances where there is no heat due to faulty installation; where water leaks are related to plumbing and not the TSCR or TSCR components; where there is a failure of electricity supply; where the supply of electricity does not comply with relevant standards, codes or acts, ThermoSphere may then charge the consumer a nominal service charge if inspection reveals no fault with the TSCR unit or its installation.
3. Where the TSCR is located in a position that does not comply with the TSCR Installation Instructions or relevant statutory requirements, causing the need for major dismantling or removal of cupboards, doors or walls, or use of special equipment to bring the TSCR to a suitable position.
4. Repair and/or replacement of the TSCR due to the effects of poor air quality, excessively dusty environments or misuse.
5. Subject to any rights you have under UK Consumer Law or other statutory provisions to the contrary, this warranty excludes any and all claims for damage to furniture, carpets, walls, foundations or any other consequential loss.

Before installation and first use

Please read through this guide before commencing installation, to ensure you are familiar with the component parts the installation procedure and all of the general do's and don'ts.

This unit must be installed by a professional electrician, ensuring installation conforms to all current electrical wiring standards.

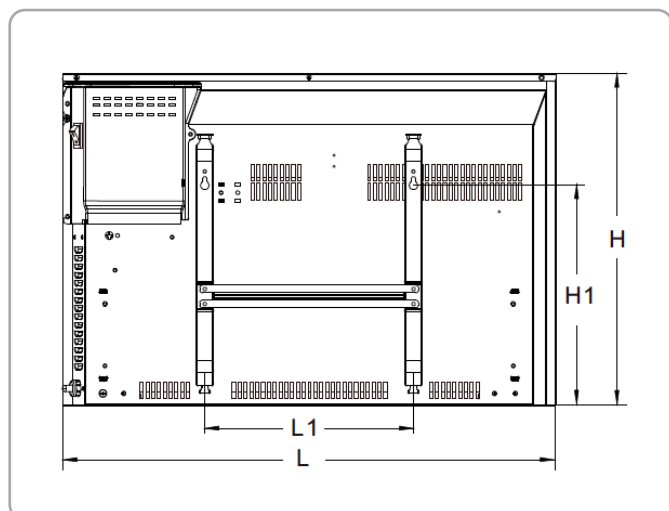
If the safety rules or the instructions outlined in this manual are not followed correctly, the unit may not operate properly and could cause damage to property, serious bodily injury and/or death.

ThermoSphere nor its Distributors will be liable for any damages due to failure to comply with the installation and operating instructions outlined in this manual or through improper use.

Important information and warnings!

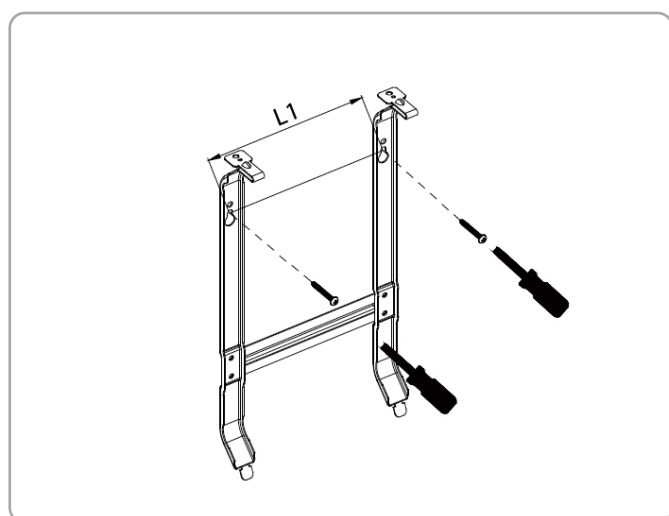
- Read all instructions before using this appliance and keep them for future reference.
- Use only the voltage specified on the heater.
- Do not cover or restrict air flow through the heater. This can cause overheating and is a fire risk.
- Do not install in enclosures, cupboards, under shelves, desks or any other enclosed space.
- Allow adequate clearance around the heater to facilitate air flow and avoid over heating.
- Allow 1m of clear space above the heater.
- Allow 500mm of clear space to the sides of the heater.
- Allow 100mm of space below the heater.
- Do not install in bathrooms or near water sources.
- Do not install other heat sources near the heater.
- Do not operate in areas where flammable liquids, gases or other materials are in use.
- Do not operate in excessively dusty environments.
- Do not touch the radiator surface, other than switches and control when it is in use.
- Do not use the appliance to dry clothes or any other material.
- Do not insert or allow any foreign objects or metal utensils to enter any openings on the heater. This could create an electric shock hazard.
- Do not expose to or immerse in any liquid. This can create an electric shock hazard and damage the heater.
- Do not operate any appliance with a damaged power cable or plug or damage of any kind. Consult a competent electrical professional for examination and repair of the heater.
- Do not operate the heater with wet hands.
- Regularly unplug and vacuum the air inlets and outlets of the appliance to remove excess dust and fluff. This will reduce the likelihood of overheating.
- To clean the heater you must isolate it from the electrical supply and use a clean damp cloth and mild dish soap.
- Do not use strong chemical or abrasive cleaning products.
- Only operate the heater when it is fixed securely to a wall and in an upright position.
- Do not use with an extension cord or when the power cord is coiled.
- Do not remove the plug from the socket until the heater has been switched off.
- Do not pull on the power cord or subject it to excessive force.
- Do not allow the cable to come into contact with the heater surface while in operation.
- The plug or wiring point must not be situated behind the heater.
- This heater is not for use by young or children or vulnerable people without supervision.
- Use this appliance only as instructed in this manual. Any other use is not recommended and may cause fire, electric shock or injury.
- This appliance is intended for domestic use.

Installation guide



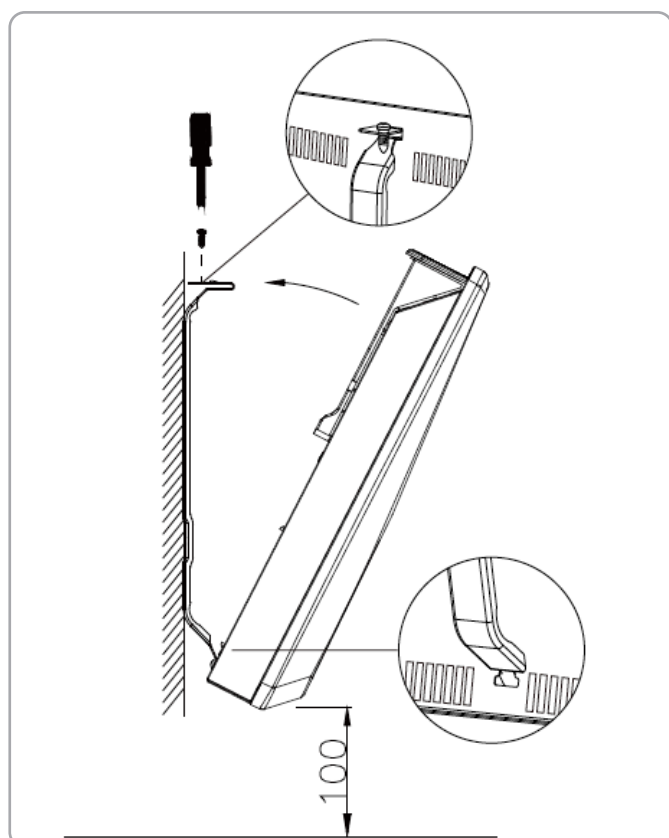
Dimensions

Model	Power (W)	L (mm)	H (mm)	L1 (mm)	H1 (mm)
TSCR-0500-A	500	460	400	155	254
TSCR-1000-A	1000	460	400	155	254
TSCR-1500-A	1500	595	400	250	254
TSCR-2000-A	2000	830	400	250	254



Install the wall bracket

1. Check the fixing dimensions of your heater.
2. Measure and mark the fixings on the wall.
3. Drill a pilot hole if required and use suitable fixings for your wall substrate. Ensure the fixings and wall can support the weight of your specific heater.
4. Fix the bracket to wall ensuring it is level.



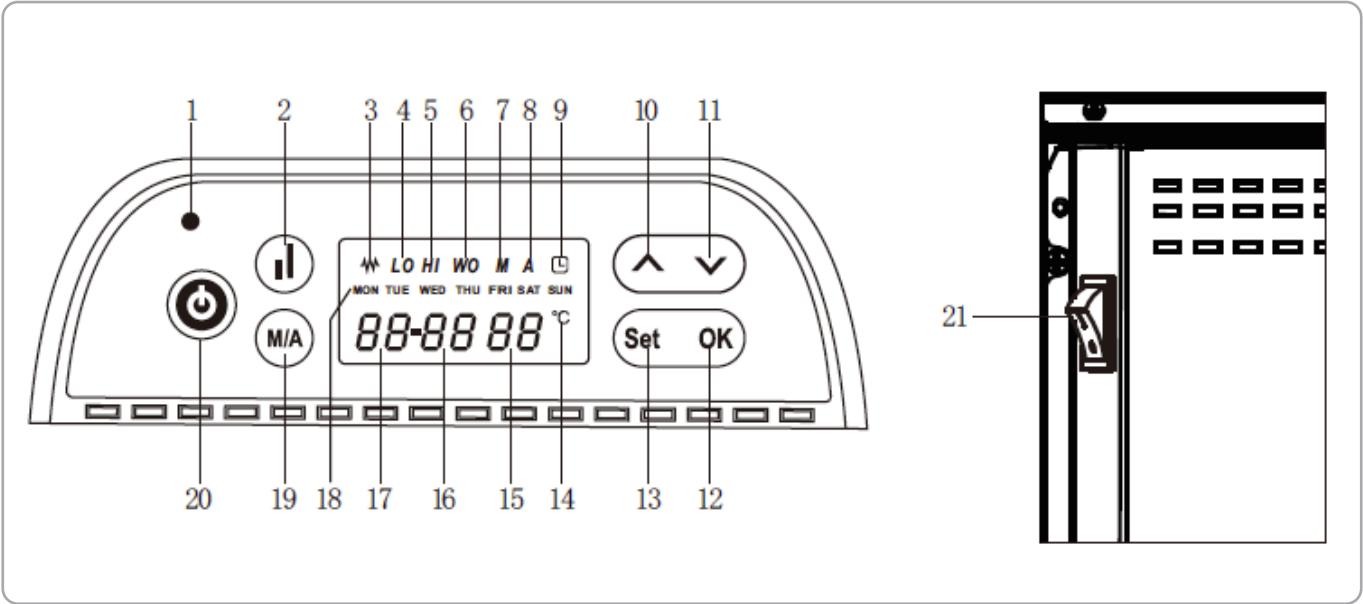
Hang and secure the heater

1. Offer your heater up to the wall bracket.
2. Locate the bottom fixings of the bracket into the holes in the bottom of the heater.
3. Push the heater back to the wall.
4. Secure the top of the heater in place with the screws that are provided.

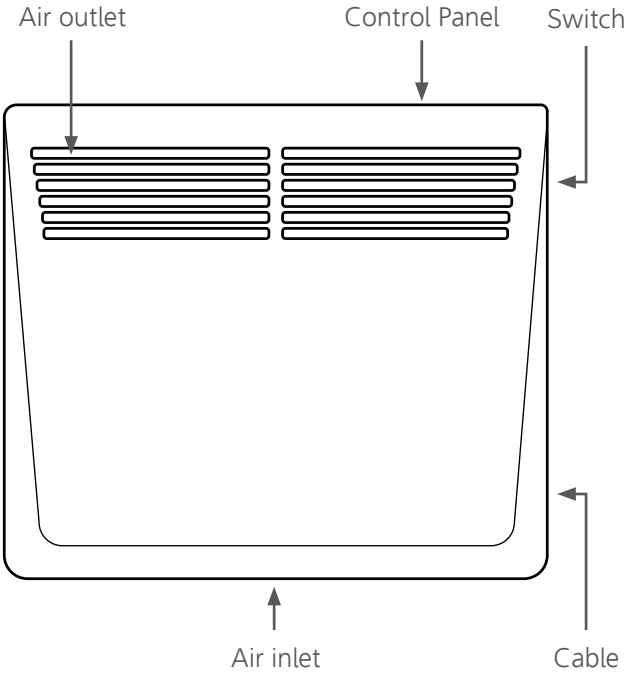
Wiring

- Each heater comes with a UK plug.
- The power cable is situated on the right hand side of the heater and is 1.5m long.
- Ensure the plug point is not behind the heater.
- The plug can be removed if you prefer to hard wire into a fused spur with an isolation switch.

Overview



No	Description	No	Description
1	Power indicator	12	OK button
2	Heating element power	13	Set button
3	Heating indicator	14	°C symbol
4	50% heating indicator	15	Temperature indicator
5	100% heating indicator	16	Minute indicator
6	Open window indicator	17	Hour indicator
7	Manual mode indicator	18	Day indicator
8	Auto mode indicator	19	Manual / Auto mode button
9	Timer indicator	20	Power button
10	Up adjustment button	21	Power switch
11	Down adjustment button		



Specifications

Technical data							
Model	Power (W)	Current (A)	Voltage	Size	Weight (KG)	Max Area (M²) (Poor insulation)	Max Area (M²) (Good insulation)
TSCR-0500-A	500	2.1	230	460 x 400 x 105	3.5	3	5
TSCR-1000-A	1000	4.3	230	460 x 400 x 105	3.5	6	9
TSCR-1500-A	1500	6.5	230	595 x 400 x 105	4.3	9	13
TSCR-2000-A	2000	8.7	230	830 x 400 x 105	5.9	12	18

User guide

Make sure your heater has been installed safely and in line with the fitting instructions before first use. If you are in any doubt you should contact the person that installed it for you. The heater should be plugged into a socket or wired directly into a fused spur next to the heater.

Switching on

1. To use the heater press the power switch (21) to the on position.
2. When the heater has power it will beep, the LEDs will all flash and the power LED will stay on.
1. Press the **Power** button to turn the heater on.
2. In the event of a power failure the heater will remember the mode it was in when the power failed, but you must press the power button to turn it back on again.

Setting the time

1. When the power is on press and hold **Set** and **OK** at the same time for 5 seconds until "Mon" starts flashing.
1. Use the **up** and **down** arrows to select the correct day. Press **Set** to confirm.
1. Now the hours will be flashing. Select the right hour using the **up/down** arrows and press **Set** to confirm.
1. Now the minutes will be flashing. Select the right minute using the **up/down** arrows.
1. Press **Set** to confirm and exit.

Set the temperature

1. When the power is on select a temperature using the **up/down** arrows.
2. After 10 seconds the heater will remember your selection.

This is the temperature that your radiator will heat to whenever it is on and it applies in manual, timer and auto modes. You can change it at any time.

Set the timer

When in Manual mode (M), you can simply have the heater on until you turn it off, or you can set a time at which you want the heater to switch itself off.

1. Press the **M/A** button to choose M mode.
2. Press **Set** to adjust the timer and the hours will flash.
3. Press **Up** and **Down** to adjust the hour and then press **Set** to confirm.
4. Now the minutes will flash. Press **Up** and **Down** to adjust the minutes. Press **OK** to finish.

If you select a time that is before the current time the heater will continue until the set time on the next day.

Set the 7 day schedule

You can set up an automatic 7 day heating schedule for your radiator. The schedule has 4 heating periods per day which must be set as complete hours.

For example you can set the heater to be on from:

06:00 to 08:00, 10:00 to 12:00, 14:00 to 16:00 and 18:00 to 22:00. You can only select complete hours.

To skip a heating period you can select the same on and off time. The heater will not switch on during any time period that is set with the same on and off time.

To set the 7 day schedule:

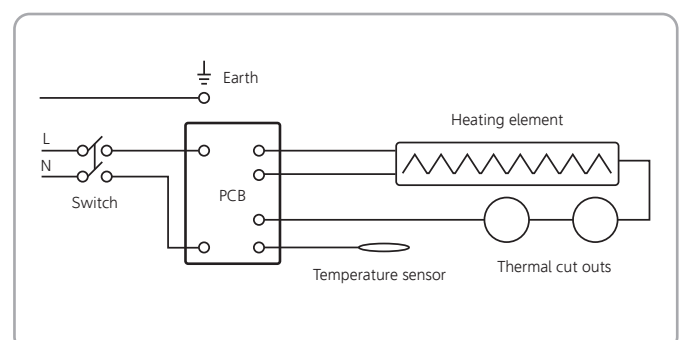
1. Press **M/A** to select Auto mode. You will see the A symbol on the display.
2. Press **Set** to start editing event 1 of the schedule.
3. Use **Up** and **Down** to select the day you wish to program. Press **Set** to confirm.
4. Press **Up** and **Down** to set the hour at which you'd like the heater to switch on. Press **Set** to confirm.
5. Press **Up** and **Down** to set the hour at which you'd like the heater to switch off. Press **Set** to confirm.
6. Repeat the steps for more heating periods and days.
7. Press **OK** when you're finished and your settings will be saved.

These steps show you how to program one time period on one day. Repeat the process for the remaining heating periods and the remaining days of the week.

Safety feature

The heater is equipped with a high temperature cut out system which is designed to help prevent over heating. The heater will automatically switch off if it detects an internal temperature above the high limit. Once the heater has cooled down it will switch back on again.

Internal wiring scheme





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