Classic 1500

INSTALLATION, OPERATION AND MAINTENANCE MANUAL



THH1500AUL

1500W | 120V | Hardwired electric radiant heater

READ AND RETAIN THIS MANUAL
Read all instructions before installing or operating the heater. Electrical installation and service must be completed by qualified personnel.

Heatstrip - North American distribution: Earthcore Industries
1600 Riverfork Drive East, Huntington, IN 46750
720-470-7930 | brand-architect@heatstrip.com | heatstrip.com

Safety first

Read before installation or operation. Save these instructions.

> **WARNING - FIRE, ELECTRIC SHOCK AND BURN HAZARD**
> Keep furniture, pillows, bedding, paper, clothing, curtains and other combustibles at least 3 ft (0.9 m) in front of the heater and clear of its sides and rear.

Hot surfaces. Do not touch the heater while operating. Allow at least 30 minutes after switching off before touching any part.

Children and vulnerable users. Use extreme caution when the heater is used near children or people who need assistance, or when it is left operating unattended. Supervise children so they do not play with the appliance. Persons with reduced physical, sensory or intellectual capabilities, or insufficient experience, require supervision or instruction from a person responsible for their safety.

No room thermostat. This heater has no device to control room temperature. Do not use it in a small room occupied by people unable to leave on their own unless constant supervision is provided.

Flammable materials. Do not use where gasoline, paint or flammable vapors or liquids are used or stored. Keep all cables, furnishings and other items from touching the heater.

Malfunction or damage. Do not operate after a malfunction, drop or other damage. Disconnect power at the service panel and have the heater inspected before reuse. Return the heater to an authorized service facility for examination or repair.

Use and location. Use only as described in this manual. Do not use in bathrooms, laundry areas or similar indoor areas. Never position where it can fall into a bath, pool, spa or other water container. Do not mount immediately below or in front of a socket outlet.

Disconnect and service. Turn controls OFF, then isolate the heater circuit at the main disconnect panel (or internal disconnect switch, if provided). There are no user-serviceable parts; service other than cleaning requires an authorized representative.

Installation requirements

Qualified electrical installation is required.

1. Installation must be performed by qualified personnel familiar with the equipment, its construction, operation and hazards.

2. The heater uses an electrical connection box and must be installed as a fixed installation by a licensed electrical professional, following the applicable electrical code.

3. In the USA, follow the National Electrical Code. In Canada, follow Section 62 of the Canadian Electrical Code, Part 1.

4. This is Class 1 equipment and must be grounded/earthed.

5. An overcurrent protection device or circuit breaker is required. The supplied manual specifies a device rating of 150% of the product rating; the electrician must verify the installation against applicable code and the heater rating plate.

6. Before installation, confirm that the electrical supply voltage matches the heater rating plate.

7. Mount the heater at least 6 ft (1.8 m) above ground in the USA and 8 ft (2.4 m) in Canada. Also observe the model-specific mounting guidance and clearance diagrams in this manual.

8. Mount on a secure, rigid bracket or fixing. Maintain at least 12 in (300 mm) from the end or side of the heater to adjacent walls or objects.

9. Do not locate electrical connections or outlets behind the heater. Keep them outside the heater footprint to limit heat buildup.

10. When mounted on an incline, such as a vaulted ceiling, locate the electrical connection at the lowest point of the heater.

11. The heating surface must face downward. Never point it toward the ceiling or straight out horizontally from a wall.

12. If installed in a wet area, locate switches and controls where a person in a bath or shower cannot touch them. This requirement does not override the prohibited locations on page 2.

Product and specifications

One model. Targeted radiant warmth for protected spaces.

The Classic 1500 warms people and objects directly rather than heating moving air. Its slim black face produces no visible glow. Use it for protected outdoor seating, open indoor areas and focused workstation heating.

Specification	THH1500AUL
Rated output / supply	1500W / 120V, 50-60 Hz, single phase
Current	12.2A as printed in the supplied manual; verify rating plate
Dimensions / weight	36 x 6.5 x 2 in / 11 lb
Connection	Gang box; hardwired installation
Heater / enclosure	Electric radiant overhead heater; profiled alloy
Protection rating	IP55
Approvals / manufacture	CSA/UL E321448 / Australia (supplied manual)
Mounting height	Minimum 82 in (2.1 m); recommended 90-105 in (2.3-2.7 m); maximum 117 in (3.0 m)
Mounting methods	Ceiling or angled wall; suspension or model-specific flush enclosure

MOUNTING HEIGHT
The original installation instructions also specify an 8 ft (2.4 m) minimum in Canada. Observe local requirements and all clearances; verify final height with the installer.

Operation
Use ON/OFF control. Allow approximately 15 minutes to reach maximum temperature and approximately 30 minutes to cool down. Turn the heater off after use. Optional HUSA03 wireless control is described on page 9.

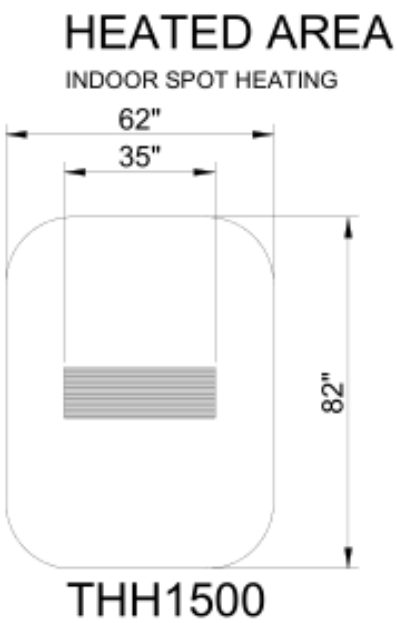
Plan the heating area

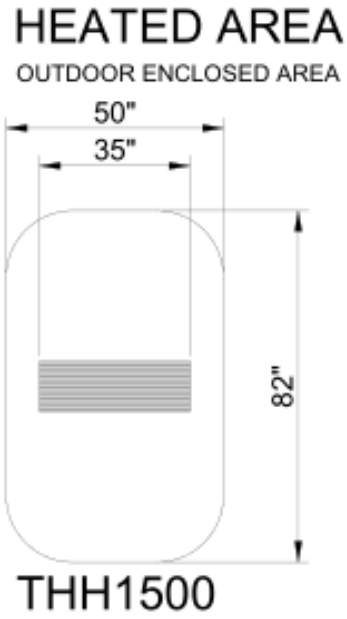
Combine coverage, seating layout and exposure before installation.

Position the heater directly above the occupied area. Spot heating a frequently used seating or work zone can reduce the number of heaters needed. Separate zones let you heat only occupied areas. Wind and open sides reduce performance.

Indoor protected	Outdoor enclosed	Outdoor exposed*
40 sq ft	32 sq ft	26 sq ft

* Exposed-area coverage is a comparative estimate from the supplied manual. The Classic is intended for protected locations. Actual coverage depends on exposure, mounting height and position.





Placement guidance

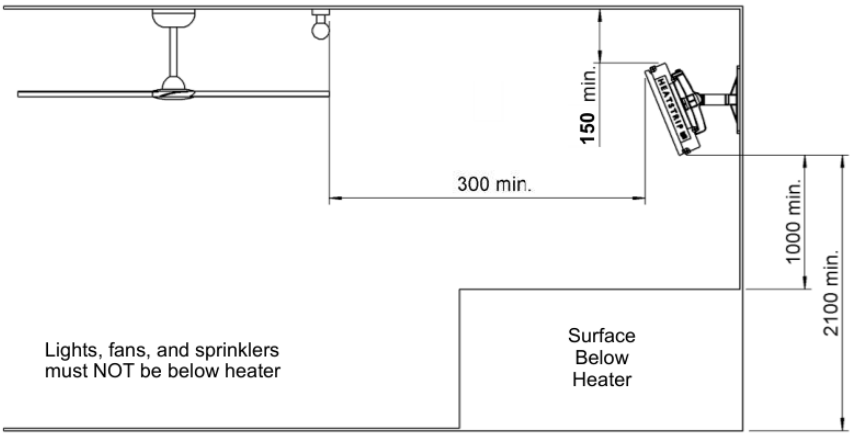
The strongest heat is directly below the heater. When wall mounted and angled downward, the original guidance places the table within 98 in (2.5 m) of the wall and the heater within 82-105 in (2.1-2.7 m), subject to the installation requirements on page 3.

Mounting clearances

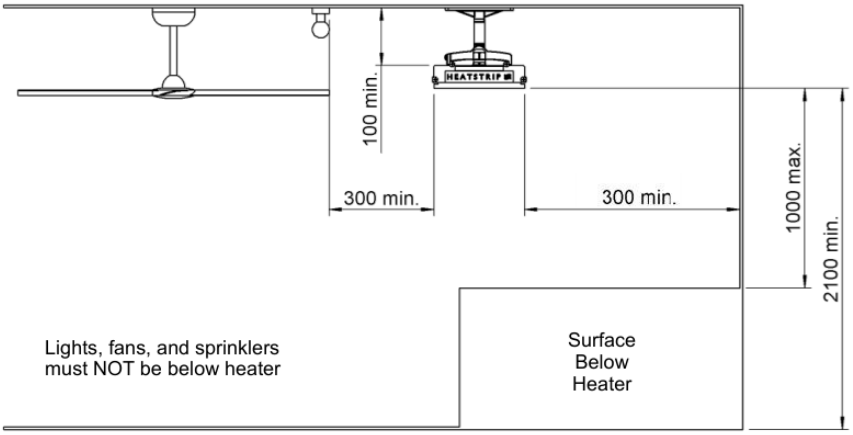
Maintain clearances in every installation orientation.

Lights, fans and sprinklers must not be below the heater. Do not point the heating surface toward the ceiling or straight out from a wall.

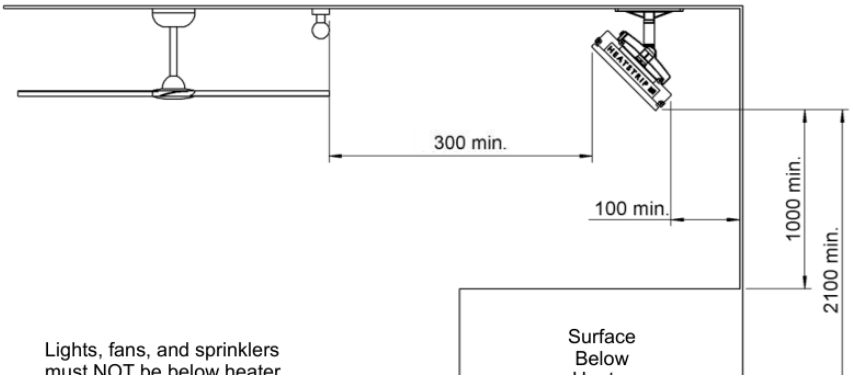
Angled Wall Installation



Ceiling Installation



Angled Ceiling Installation



Diagrams reproduced from the supplied THHUS-A manual. Follow the dimensions shown, the requirements on page 3 and applicable installation codes.

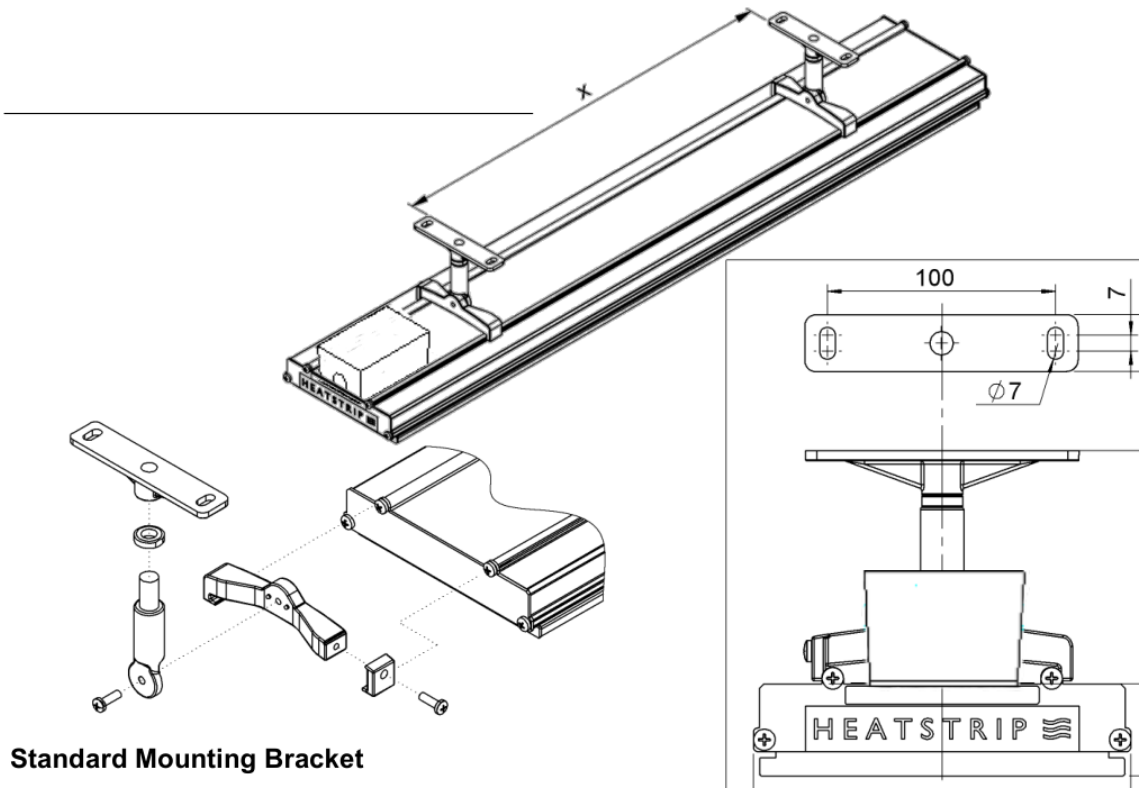
Standard mounting brackets

Secure the heater to a rigid frame or wall.

The supplied brackets permit direct ceiling mounting or angled wall mounting at parallel, 22.5 degrees or 45 degrees. For THH1500AUL, maintain the specified minimum bracket spacing of **21 in (550 mm)**.

Four silicone strips are included in the bracket kit. Bend the strips around the bracket ends and slide them into the rear casing. Tighten every screw and check that the heater is secure before operation.

Bracket	Packaged dimensions	Weight / material
ZBRAK-113S	6 x 6 x 2 in (150 x 150 x 50 mm)	1 lb (0.5 kg) 316 stainless steel



Standard Mounting Bracket

Bracket assembly and dimensional illustration reproduced from the supplied manual. Follow the supplied hardware instructions and maintain all heater clearances.

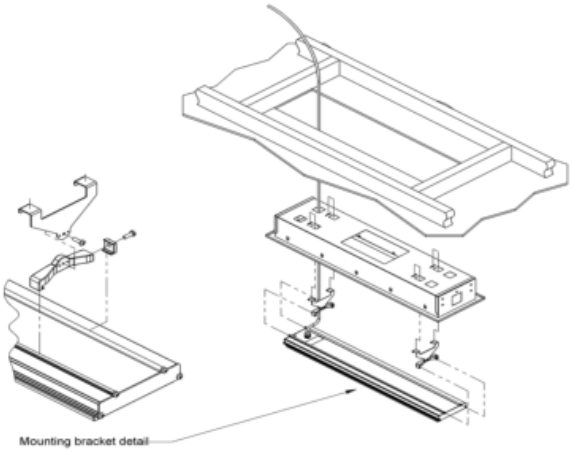
Flush and suspension mounting

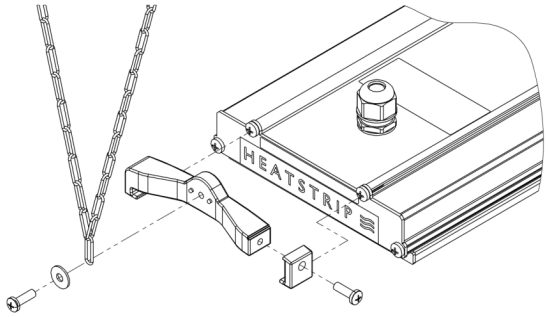
Optional mounting methods for THH1500AUL.

Flush mount enclosure - THHAC-009

The enclosure allows the heater to be recessed into a suitable ceiling. It uses a 316 stainless steel fascia and black zinc-coated steel rear casing. Follow the enclosure installation instructions and clearances; confirm availability before ordering.

Cutout	Overall dimensions	Weight
38.5 x 9 in (980 x 230 mm)	40.3 x 11 x 4.9 in (1030 x 280 x 125 mm)	12 lb (5.5 kg)





Chain or wire suspension

The suspension bracket allows the heater to be lowered from a high ceiling. Chains or cables are not supplied. The original guidance recommends lowering to 90-105 in (2.3-2.7 m) where ceilings exceed 118 in (3.0 m) in enclosed outdoor areas, or 105 in (2.7 m) in exposed sites. Observe local minimum heights and all clearances.

Suspension bracket reference: ZBRAK-113S. The source suspension table lists a 28 x 6 x 2 in package, 2.2 lb (1 kg), alloy. Confirm the required kit before ordering; the same part number appears in the standard bracket table with different packaging details.

Wall control and routine care

Optional HUSA03 control with one HUSA05 receiver per heater.



HUSA03 single wall switch

Self-powered, battery-free wireless ON/OFF control for one heater or one heating zone. No control wiring is required down the wall. **Each heater requires its own HUSA05 relay/receiver.**

Press the top of the rocker for ON and the bottom for OFF. One switch can operate multiple paired receivers in the same zone.

Timer and range. With the current HUSA05 receiver, operation starts at one hour. Each additional ON press adds one hour, up to 18 total hours. Press OFF to stop sooner. Plan for up to 100 ft switch-to-receiver range; walls, metal and site conditions can reduce it.

Installation. Protect the switch and receiver from weather. A licensed electrician must wire the HUSA05 into the heater circuit and follow the supplied control instructions for wiring and pairing. Controls are sold separately.

Cleaning and maintenance

> **ISOLATE AND COOL BEFORE CLEANING**
> Switch off and allow the heater to cool completely before cleaning or inspection.

• Use a soft cloth, mild detergent and a light spray of fresh water. Rinse off detergent. Never use high-pressure water.

• Clean at least every three months. In salt-spray or other corrosive environments, rinse lightly with fresh water weekly. Smoke and pollution can require additional cleaning.

• Do not use abrasives, solvents, citrus-based cleaners or other harsh products. Handle with clean hands or gloves to avoid marking the surface.

• After cleaning, run the heater for 20 minutes to dry residual water and help prevent staining.

Control accessories

Optional controls for the THH1500AUL. All accessories are sold separately.



HUSA03 | Single wall switch

Self-powered, battery-free single rocker wireless ON/OFF switch. Controls one heater or one heating zone through paired HUSA05 relay/receivers.



HUSA04 | Double wall switch

Self-powered, battery-free dual rocker wireless ON/OFF switch. Controls two heaters or two heating zones independently through paired HUSA05 relay/receivers.



HUSA05 | 20A ON/OFF relay/receiver

ONE REQUIRED PER HEATER. Wired into the heater circuit to receive wireless commands and switch heater power. Auto shut-off starts at one hour; additional wall-switch ON presses extend operation in one-hour increments, up to 18 hours.



HUSA06 | Handheld wireless remote

Self-powered, battery-free four-button portable control. Links with HUSA05 relay/receivers for wireless ON/OFF operation. Typical operating range is 50-100 ft, depending on site conditions.

Specify one HUSA05 for every heater
Example: two heaters controlled by one HUSA03 switch require two HUSA05 relay/receivers. Protect all controls from weather; receiver wiring requires a licensed electrician.

Troubleshooting and service

Separate user checks from work requiring a qualified technician.

ELECTRICAL SAFETY
Isolate power before inspection or service. Electrical checks and repairs must be performed by a qualified technician. Do not open or repair the heater yourself.

Symptom	User check	Technician / service action
Freight damage	Inspect heater and packaging. Retain photos.	Record damage with the carrier; contact the seller/Heatstrip for repair or replacement instructions.
Missing brackets	Check packaging and supplied parts.	Contact Heatstrip for replacement brackets.
Not heating	Confirm power is available. Visually check the cable for damage without touching exposed conductors.	Check supply, resistance and circuit condition. Repair or replacement may be required.
Not hot enough	Allow approximately 15 minutes for full warm-up.	Verify voltage and current. Check that multiple heaters are wired separately in parallel, with the correct supply.
Slow warm-up	Confirm sufficient warm-up time.	Check supplied voltage/current and correct inadequate power. Do not exceed rating plate voltage.
Overheating / discoloration	Stop use if overheating is suspected.	Verify supply matches the rating plate; use a correctly rated heater if needed.
Environmental staining	Clean according to page 9.	For persistent discoloration or wear, contact Heatstrip before applying a coating or attempting refinishing.

Requesting service
Have the model, serial number, proof of purchase, installation photos and a description of the concern available. Contact the seller or Heatstrip before returning a product.

Heatstrip
720-470-7930 | brand-architect@heatstrip.com
1600 Riverfork Drive East, Huntington, IN 46750
heatstrip.com

Warranty terms and conditions

3-year residential / 2-year commercial coverage

The below Warranty Terms and Conditions apply for International Customers. Heatstrip warrants to the original owner that HEATSTRIP® Classic products will be free from defects in materials and workmanship for a period of 3 years residential & 2 years commercial from the date of purchase in accordance with the following warranty terms and conditions.

Provision of this warranty is subject to:

• The HEATSTRIP® product must be installed in accordance with the Installation Instructions and relevant electrical standards and codes.

• The HEATSTRIP® product must be maintained and cleaned according to instructions detailed in the Installation Manual.

• There is no warranty expressed or implied with regard to capacity requirements. The selection of the unit or units depends entirely upon the system design and capacities as determined by the purchaser.

• The customer has not repaired, opened or altered the product in any unauthorised manner.

• This warranty excludes damage to the product or components arising from circumstances outside the control of Heatstrip, including, but not limited to, where the product is not used for intended purpose; where the product has been rectified in any way; incorrect installation; incorrect power supply; damaged caused during delivery; misapplication, misuse, abuse, vandalism, lack of maintenance or accident.

· Heatstrip's obligations under this warranty are limited to repair or replacement at Heatstrip's factory of any components of the product which Heatstrip identifies to its satisfaction to be defective.

· Transportation charges involved in return of the product to the Heatstrip factory (or any other location authorised in writing by Heatstrip) is the sole responsibility of the customer.

• All products are inspected and tested before despatch and are at the risk of the purchaser after the shipment from the Heatstrip factory, if not delivered by Heatstrip to destination.

Warranty terms continue on page 13.

Warranty and contact information

Warranty terms continued

• Discolouration of the surface may occur after a period of time, this does not constitute a warrantable event.

• Twisting and bending of the heaters may occur, this does not constitute a warrantable event.

• No products or components will be supplied in advance of an examination of the faulty product or components by Heatstrip or an authorized representative of Heatstrip.

· Heatstrip does not participate in any site related costs or labour expenses incidental to replacement of parts, repairing, removing, installing, servicing, transportation or handling of parts to complete products, and assumes no liability on parts repaired or replaced without written authorisation. Heatstrip shall not be liable for any default or delay in performance of its warranty obligations caused by any circumstances beyond its control, including, but not limited to, judicial or government restrictions, strikes, fires, floods, abnormal weather conditions, delayed supply of components.

Should products be determined as damaged on arrival, immediately notify the transport company of the condition and have them noted on the freight documents. If damage is discovered after unpacking, demand immediate inspection by the transportation company and insist that a record of the damage is made on the freight documentation.

The customer warrants using the product in accordance with:

· Any instructions provided to it by Heatstrip from time to time.

• All government and local regulations, including but not limited to all relevant electrical, environmental laws and regulations governing the installation, storage, use, handling and maintenance of the goods.

• All necessary and appropriate precautions and safety measures relating to the installation, storage, use, handling and maintenance of goods.

All warranty requestsfor repairs or replacements must be accompanied by a complete “Warranty Claim Form” available from Heatstrip, together with proof of purchase (and where possible, photos of the installation) and the heater returned to the place of purchase.

NORTH AMERICAN CONTACT
Heatstrip | Earthcore Industries
1600 Riverfork Drive East, Huntington, IN 46750
720-470-7930
brand-architect@heatstrip.com | heatstrip.com