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INSTALLATION MANUAL AND GUIDE

HS SERIES INFRARED HEATER

RS SERIES INFRARED HEATER



PROUDLY MADE IN THE USA
SINCE 1969



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IMPORTANT INSTRUCTIONS

WARNING – When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

1. Read all instructions before installing or using this heater.
2. This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. Keep combustible materials, such as furniture, pillows, bedding, papers, clothes, and curtains at least 3 feet (0.9 m) from the front of the heater and away from the sides and rear.
3. Extreme caution is necessary when any heater is used by or near children or individuals requiring supervision and whenever the heater is left operating unattended.
4. Do not operate any heater after it malfunctions. Disconnect power at the service panel and have the heater inspected by a qualified electrician before reusing.
5. To disconnect the heater, turn the control to the OFF position and turn off power to the heater circuit at the main disconnect panel.
6. Do not insert or allow foreign objects to enter any opening, as this may cause electric shock, fire, or damage to the heater.
7. To prevent a possible fire, do not block or cover the heater.
8. A heater has hot and electrical parts inside. Do not use it in areas where gasoline, paint, or flammable vapors or liquids are used or stored.
9. Use this heater only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury.

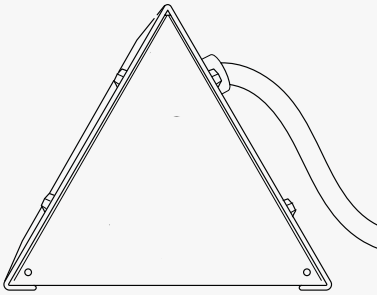
WARNINGS

-  The heater must be properly installed before it is operated. Installation must comply with all applicable national and local electrical codes.
-  Disconnect power at the main circuit breaker before installing, cleaning, servicing, or inspecting the heater. Allow the heating element to cool completely before performing any maintenance.
-  Do not modify, tamper with, or bypass any controls or safety devices provided with this heater. Only perform the cleaning and maintenance procedures described in this manual. All other servicing must be performed by qualified service personnel.
-  Do not operate the heater if the power cord, plug, or heater has been damaged.
-  This heater must be properly grounded. Use only the appropriate grounded electrical receptacle for the heater voltage.

SAVE THESE INSTRUCTIONS

DIAL SETTINGS

HS SERIES MODELS



HS-2420 | 240V | 2000W | 8.3A | 65"

HS-1215 | 120V | 1500W | 12.5A | 35"

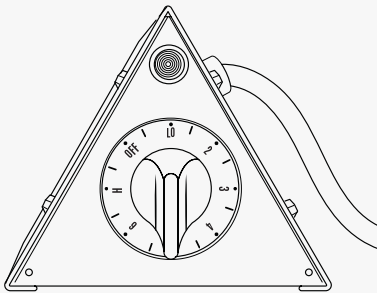
HS-1208 | 120V | 800W | 6.3A | 35"

HS-2408 | 240V | 800W | 6.3A | 35"

The HS Series heater is designed to provide 100% heat output whenever power is supplied. The heater will remain on at full output until power is turned off using a wall switch, circuit breaker, or by unplugging the heater.

For adjustable heat output, an optional PR-1218RS (120V) or PR-2436RS (240V) wall-mounted intensity controller is available (sold separately). The PR Series controller allows the heater output to be adjusted from full power to lower heat settings by cycling the heater on and off to achieve the selected intensity level. See Figure 1 for the PR Series intensity control settings and corresponding approximate heater output percentages.

RS SERIES MODELS



RS-2420 | 240V | 2000W | 8.3A | 65"

RS-1215 | 120V | 1500W | 12.5A | 35"

RS-1208 | 120V | 800W | 6.3A | 35"

RS-2408 | 240V | 800W | 6.3A | 35"

The RS Series features a built-in manual intensity control located on the end of the heater. The control dial adjusts the heater output to the desired intensity level. The numbered settings correspond to the approximate percentage of the heater's maximum output (see Figure 1).

Settings LO through 6 provide approximately 23%–70% heat output by automatically cycling the heating element on and off to maintain the selected output level. Setting the dial to HI provides 100% continuous heat output. When the indicator on the control knob is aligned with the OFF position indicator, the heater is turned off. The control knob may be rotated in either direction from any position.

KNOB SETTINGS	LO	2	3	4	5	6	HI
Power Output	23%	30%	45%	55%	65%	70%	100%
Cycle Time (SEC)	35	25	20	20	25	30	N/A

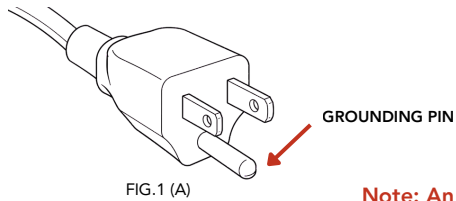
FIG. 1

GROUNDING INSTRUCTIONS

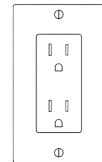
GROUNDING 120V MODELS

This heater is intended for use on a nominal 120-volt circuit and is equipped with a NEMA 5-15P three-prong grounding plug, as shown in Figure 1A. The plug must be connected to a properly grounded 120V receptacle as shown in Figure 1B, in accordance with all applicable national and local electrical codes.

If a properly grounded three-slot receptacle is not available, one should be installed by a qualified electrician. Where permitted by local electrical codes, a temporary grounding adapter may be used only if the grounding lug is securely connected to a permanent ground, such as a properly grounded outlet box.

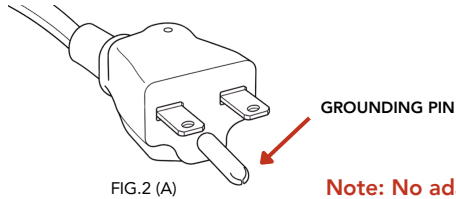


Note: An adapter should not be used if a three-slot grounded receptacle is available.

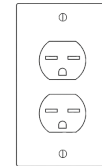


GROUNDING 240V MODELS

This heater is intended for use on a nominal 240-volt circuit and is equipped with a NEMA 6-15P grounding plug, as shown in Figure 2A. The plug must be connected only to a properly grounded 240-volt receptacle, as shown in Figure 2B, in accordance with all applicable national and local electrical codes.

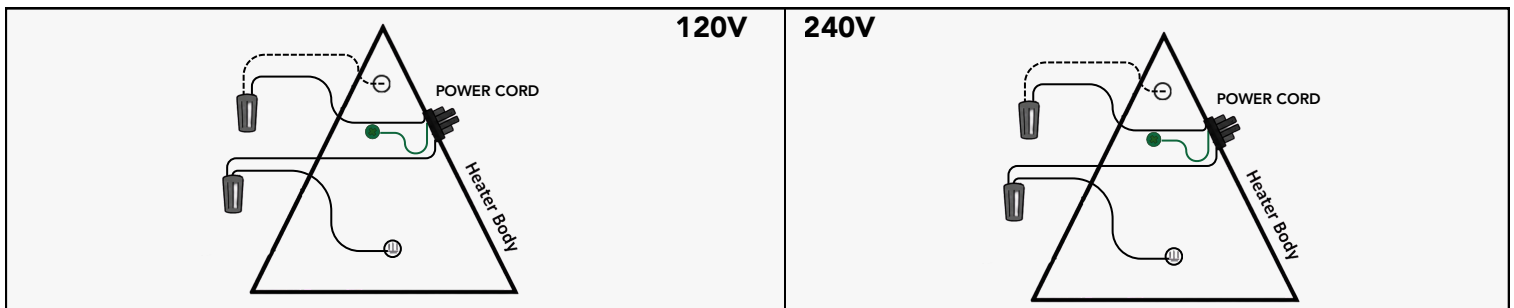


Note: No adapter is available for this blade configuration, and none should be used!

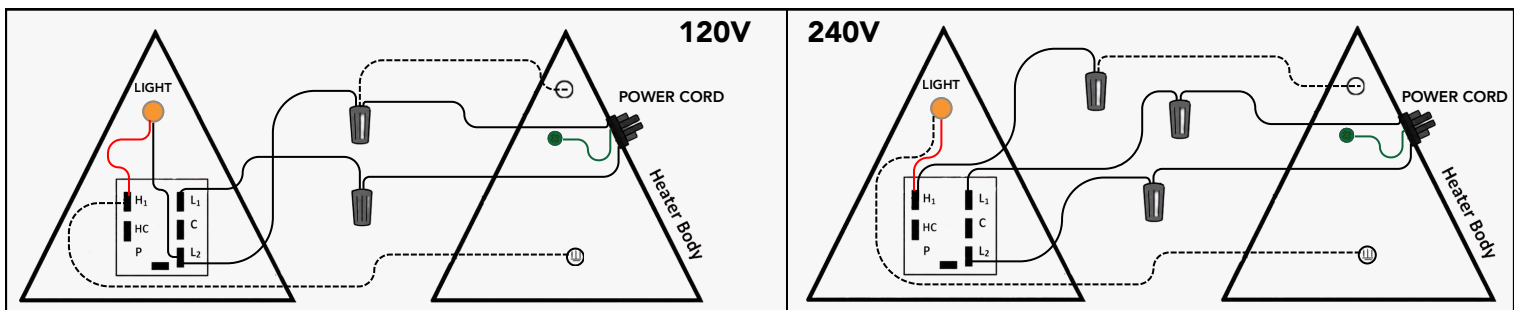


ELECTRICAL DIAGRAM

HS SERIES



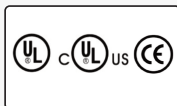
RS SERIES



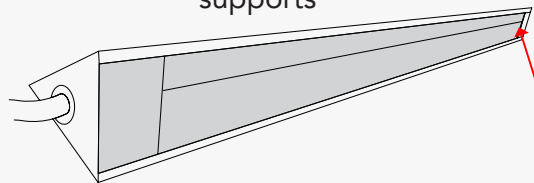
INSTALLATION INSTRUCTIONS

This heater should be installed by a licensed electrician in accordance with local electrical codes. Assembly procedure must be performed with no electrical power to unit.

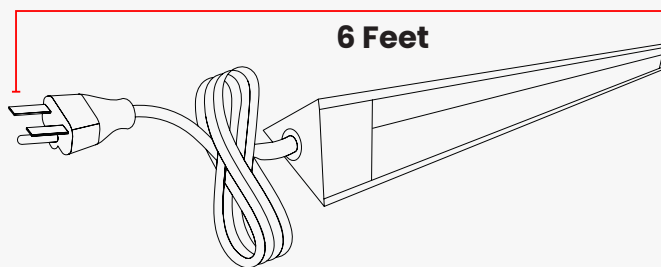
Check UL/CUL/CE label on heater for proper voltage.



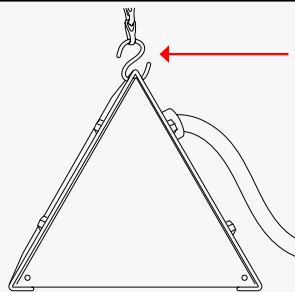
Remove plastic tie(s) from the heating element supports



Plug your heater into rated supply voltage using a receptacle mounted within six feet of the heater. If a receptacle is not within six feet, it is recommended one be installed by a qualified electrician.



Using the wood screw hooks install into desired location.

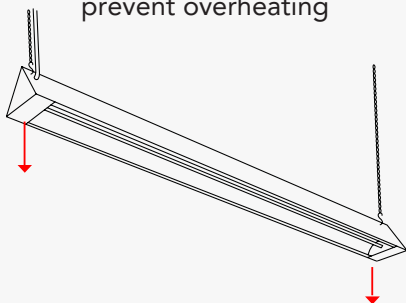


Install "S" hooks provided onto the top 4 holes on your heater, slide chain link onto the s hook and onto wood screws. and "S".

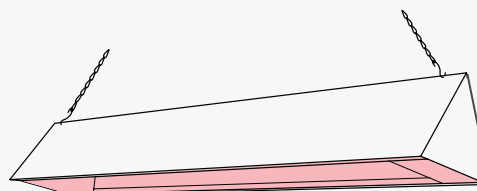
CLINCH ALL HOOKS TIGHTLY CLOSED!

Heater must be installed with reflectors angled down.

RS Series: Controller end should be installed 1/2" higher to prevent overheating



Allow the heating element to get red hot for 5-10 minutes.



- Element may smoke slightly when new heaters are first energized. This is normal, as a residue film is being burned off.
- Do not install heater closer than 18" from adjacent walls and 6" from ceiling and do not install less than 6' while heater is at a maximum 30 degrees.
- Adjacent Heaters to be installed no less than 3' apart.
- Never block heater!

MAINTENANCE INSTRUCTIONS

To maintain optimum performance, inspect the heater periodically and clean as needed. In dusty, agricultural, or other high-debris environments, more frequent cleaning may be required.

WARNING: Before cleaning, turn OFF power to the heater at the circuit breaker panel and allow the heating element and heater housing to cool completely.

CLEANING INSTRUCTIONS

1. Verify that power has been disconnected and the heater has cooled completely.
2. Remove dust, dirt, and debris from the heater housing, reflector, and heating element using a soft, dry cloth or a soft-bristle brush.
3. If necessary, compressed air may be used to remove loose dust and debris from areas that are difficult to reach.
4. Do not use water, solvents, abrasive cleaners, steel wool, or harsh chemicals to clean any part of the heater.
5. Do not disassemble the heater for cleaning.

Inspect the power cord, plug, mounting hardware, and heater housing for signs of damage before returning the heater to service. If any damage is found, discontinue use until the heater has been inspected and repaired by qualified service personnel.

All servicing beyond the cleaning procedures described above must be performed by qualified service personnel.

WARRANTY ASSISTANCE

If you believe your heater is experiencing a warranty-related issue, please contact Kalglo before returning the product. To help us process your request, please have the following information available:

- Model number
- Serial number
- Date of purchase
- Description of the Issue

Warranty requests may be submitted by phone or email using the contact information below.

CUSTOMER SUPPORT

If you have questions regarding installation, operation, maintenance, replacement parts, or warranty service, please contact Kalglo Manufacturing, Inc.

Phone: (610) 837-0700

Email: kalglo@kalglo.com

Address: 2010 Sunset Drive, Fogelsville PA 18051

Our support team is available to assist with product questions and troubleshooting.

LIMITED WARRANTY

Thank you for purchasing a Kalglo Electric Radiant Infrared Heater!

Please fill in the Model and Serial number as well as date of purchase in the areas indicated above. Your Serial and Model Number can be found inside the end cap located on the opposite side of the cord. Please save this information for future reference. To get the full and safe enjoyment of your electric heater please read your Owner's Manual carefully and review the proper operating and safety instructions with any family members that may be using the heater.

Manufacturer Warranty: Kalglo warrants that this electric heater is designed and manufactured to be free from defects in materials and workmanship for a period of ONE YEAR from the original date of purchase. NOTE: Use of competitor controls or accessories with Kalglo heaters may void the warranty.

Extent of Warranty: This warranty becomes valid at the time of purchase and ends either by specified time frame listed above. In order to activate the warranty, we require that you send in the attached warranty registration form. This registration is for our internal use only and will only be used in the event we need to send you important safety-related product information. The information will not be sold or used for any marketing-related purposes.

Warranty Limitations and Exclusions: This warranty does not apply to damages resulting from negligence, alteration, misuse, abuse, accident, natural disaster, improper installation or improper operation, unauthorized adjustments or calibrations, dings, dents, scratches, nor damages due to harsh chemicals (i.e. cleaning products improperly applied). Warrantor is not responsible for consequential or incidental damages. Under no circumstances shall Kalglo or any of its representatives be held liable for injury to any person or damage to any property, however arising.

Important: Please retain original proof of purchase to establish a warranty period. Any implied warranties of merchantability and fitness applicable to the equipment are limited in duration to the period of coverage of this express written warranty. This warranty grants specific legal rights to the purchaser. Other rights, which may vary from state to state, may also apply. Title to the merchandise passes to the consignee upon acceptance by the carrier. After acceptance by the carrier, the merchandise travels at the risk of the purchaser. In the event of freight damage, do not refuse shipment. Advise both the freight agent and the shipper of the damage.



KALGLO 1-YEAR WARRANTY REGISTRATION

Customer Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Email: _____

Model # _____ Serial: _____

Ordered From: _____ Date Purchased: _____

This Warranty Registration Card must be returned within thirty days of purchase to properly activate your warranty. This information is for our internal use only.