

Dynamic Infrared Heater

with the 4 Stage Air Purifier Filter

User's Manual

DYN-HTR-1500-625



FOR INDOOR USE ONLY

120VAC 15 AMP DEDICATED CIRCUIT

The Infrared Heater provides supplemental heat alongside your in-home heating system to make for a more comfortable environment. Carefully and thoroughly read this manual before using the Infrared Heater for the first time. We recommend keeping this manual for regular review and future reference. Heater is intended for indoor/residential use.

Introduction

The Dynamic Infrared Heater utilizes the latest infrared heat technology. The Dynamic Heater provides a safe, convenient, clean, and economical way to distribute heat throughout your home or business without producing dangerous fumes or monoxide gases.

The Dynamic Infrared Heater has an all-wood body. It is equipped with nylon caster wheels for easy mobility. The 4 Stage Air Purifier Filter consist of a pre-filter combined with a stage 2 carbon charcoal layer to capture large particles of dust and lint, as well as destroy common household odors. Stage 3 incorporates a HEPA filter which captures 99.97 percent of airborne particles, as small as .3 microns in size, such as dust mites, debris, mold spores, plant pollens, and pet dandruff. The final stage uses a photocatalytic oxidation layer to completely oxidize and degrade organic contaminants before the air travels through the heating chamber to produce clean and fresh heated air.



Safety

IMPORTANT INSTRUCTIONS



USE CAUTION

Save these instructions in order to ensure electrical safety and keep your home safe. When using an electrical appliance, basic precautions should always be followed to reduce the risk of fire, electric shock, and injury to users. Please adhere to the following safety instructions:

-  Do not insert any foreign object or allow foreign object to enter the ventilation opening or exhaust opening as this may cause electric shock, fire, and/or injury.
-  Never block the air intake or exhaust opening in any manner as this could lead to fire.
- The heater must be operated by an adult. Children should never operate the heater.
- Only operate the heater when it is on the floor.
- Do not operate heater near any water.
- Do not plug heater into any other cord connected device such as power strip, surge protector, multiple outlet adapter, grounding adapter, or extension cords. Plug the heater cord directly into a 3-prong 120V 15 amp grounded circuit outlet.
- Never plug heater cord into a loose fitting or broken outlet.
- Never alter the heater's design or operation. Such actions will void warranty and could result in injury and/or death.
- Do not operate the heater if it has a damaged cord or plug.
- Do not operate the heater if there are signs of malfunction. If the heater has been dropped or damaged, do not operate.
- Keep combustible materials such as furniture, pillows and other bedding materials, paper(s), clothing, and curtains at least three feet away from all sides of the heater during operation.
- Always unplug heater when not in use.
- Do not use the heater outdoors.

- This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. If provided, use handles when moving this heater. 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 keep them away from the sides and rear.
- Do not run heater cord under carpet. Do not cover cord with throw rugs, runners, or similar coverings. Do not route cord under furniture or appliances. Route cord away from traffic areas.
- Do not use the heater in bathrooms, laundry rooms, or similar indoor locations.
- Turn off heater before unplugging.
- Do not locate the heater immediately below a receptacle when in use,
- Never operate heater in or around a bathtub, shower, or swimming pool.
- Only open heater if instructed by an authorized representative of the manufacturer. There are limited user-serviceable parts inside.
- Use heater only as described in this manual. Any other use is not recommended by the manufacturer as it may lead to fire, electric shock, and/or series physical injury or death.

Heater Specifications

Dynamic Heater Model: DYN-HTR-1500-625

Carton Size: 15 in (L) in x 16.5 in (W) x 21.5 in (H)

Heater Size: 11.7 in (L) x 14.3 in (W) x 17 in (H)

Net Weight: 24 lbs

Gross Weight: 27 lbs

Cabinet: ¾ ply – Oak

Power Cord: 5.8 ft / 16 gauge

Heat Chamber with Diathermanous Copper Plate

Heating Elements: 6 Infrared Quartz Bulbs w/ Nickel-Chrome Filament

Power Requirement: 120V 15 amp

Heating Elements Life Expectancy Potential: Rated 20,000 hrs

Heat Type: Therapeutic Quartz Infrared Heat

Thermostat: Electronic Analog

Fan System: Cross Flow Fan

Fan Noise Level: 46 db

BTU: 5200

Delayed Timer Start/Off Function

Remote Control

“HI” Function: 1500 watts

“LOW” Function: 1000 watts

4 Stage Air Purifier Filter

Warranty: Limited 1-Year Parts Warranty

How It Works

The Dynamic Infrared Heater provides supplemental heat to your existing in-home heating system to make for a more pleasant in-home temperature. In short, room temperature air circulates from the rear of the Infrared Heater, passes through a filter, enters a chamber that houses the Infrared Quartz Bulbs, and exits as heated air on the front of the unit. The Dynamic Infrared Heater ideally heats a room of 500 to 700 square feet, but can be used to heat up a single room size up to 1000 square feet depending on the room temperature. It also functions very quietly, with a noise level below 46db. The Infrared Heater is not for use as the primary/sole heating system.

Components and Functions

- A. The Dynamic Infrared Heater is constructed using Stainless Steel – Nickel Chromium Diffusion Coiled Infrared Heating Elements. Each quartz bulb is rated at 250W. These quartz bulbs produce infrared rays that warm the air which passes through the inner chamber.

- B. An AC Cross Flow Fan pushes air over the Infrared Quartz Bulbs. Cross Flow Fans create a wide flow of air using a cylindrical-shaped impeller. Air is drawn inside the Infrared Heater, flows along the circumference of the chamber and over the Infrared Quartz Bulbs, and is blown out laterally creating a uniform flow of warm air.

- C. The Dynamic Infrared Heater has a Delay Start Function which controls the AC Cross Flow Fan. The purpose of the Delay Start Function is to allow the Infrared Quartz Bulbs to heat up before the fan begins to circulate the air flow. In addition, the AC Cross Flow Fan will continue to circulate the airflow after the power is turned off to circulate the warm air from the Infrared Heater cooling the unit down.

- D. The LED Digital Display is a convenient, stylish, and modern way to display the set temperature and time. This attractive addition compliments the Infrared Heater, in that it simplifies use of this product. Operating the heater is logical and can be done on the unit itself or by remote.

- E. The Delayed Timer Start/Off Function allows you to program the heater to turn On or Off within a designated time period. This accommodating feature allows your heater to turn On or Off within a 1 to 24 hour time period.

Unpacking the Infrared Heater

1. First, check the carton to make sure there is no obvious damage that may have occurred during shipment.
2. Open the Infrared Heater packaging and remove the heater by sliding it from the box. You may want to gently and cautiously turn the entire box upside down letting the heater slowly slide out.
3. Remove all the protective materials from the heater. It may be a good idea to keep the protective materials and packaging for storage during the off-season.

Operating Instructions

⚠ Visually inspect the Infrared Heater for any damage before operation. If damage is detected, do not operate the heater, and contact an authorized retailer.

NOTE: “UP” and “DOWN” arrow buttons on the control panel and remote control have dual function capabilities.

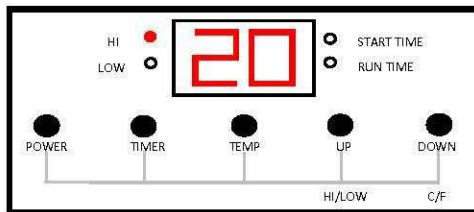


Adjust TIME / TEMP with up arrow or adjust HI / LOW settings.



Adjust TIME / TEMP with down arrow.

- 1) Operating Heater** - Plug the power cord directly into a conventional 120V 15 amp outlet and press the MASTER POWER switch on the rear of the portable heater. Then press the POWER button on the front control panel or on the remote to turn on the unit. The LED display will show the default value as 20°C.

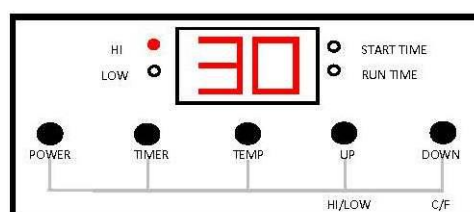
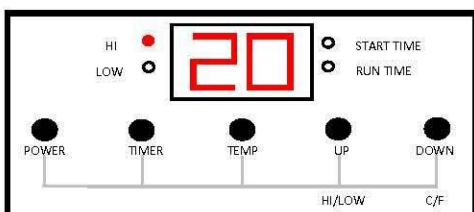


Function Display



(Note: If the current room temperature is higher than the set temperature, the HI/LOW display, fan and Quartz Bulbs will not operate.)

- 2) “Temp” button** - The default set temperature displayed on the LED display is 20°C. By pressing the TEMP button, the LED display will flash and you must press the UP /DOWN button within (5) seconds to set the desired temperature. Each time you press the “UP” button, the temperature setting will increase by 1°C. Press the “DOWN” button and the temperature will decrease by 1°C. The maximum temperature setting is 30°C. If you hold the UP/DOWN button for (2) seconds, the numbers will increase/decrease more rapidly.



Note: The heater has (2) to (6) degrees tolerance. Please set the temperature 6 degrees higher in case the heater does not work/operate after temperature setting.

3) Change Celsius to Fahrenheit

When the display is not in the flashing mode, you can press the DOWN button to switch between Celsius and Fahrenheit.

4) Automatic turn-on & turn-off timer function

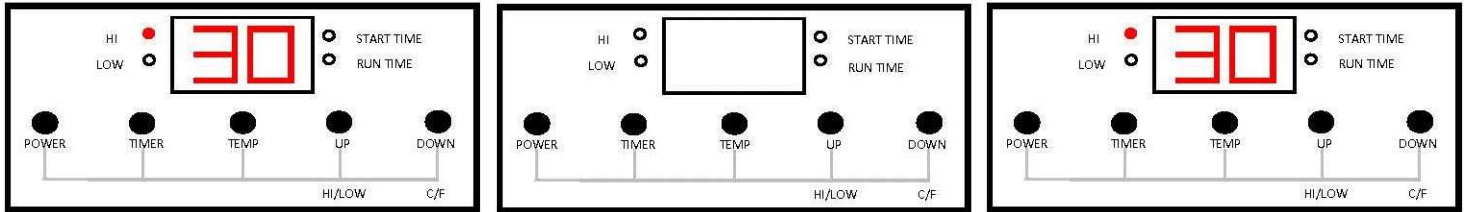
- (A) Use the TIMER button to set the automatic turn-on & turn-off timer function. To set the automatic turn-on, turn on timer function by pressing the TIMER once and the START TIME light will flash. You must press the UP /DOWN button within (5) seconds to set the desired turn-on timing. To set the automatic turn-off timer function, press the TIMER once again and the RUN TIME light will flash. You must press the UP /DOWN button within (5) seconds to set the desired turn-off timing. (Note: If no timing is input, the LED display will indicate the temperature setting in 5 seconds.)
- (B) Time setting range: 1-24H means the time interval is 1H (hour). When setting the time, the LED display will indicate ON/OF-1 to 24H- ON/OF circularly (Note: "OF" means "OFF"). When the LED display indicates as ON/OF, it means no timer setting has been programmed and that the heater will operate until manually turned off.
- (C) Time Setting: Press UP/DOWN button, the time setting will increase/decrease by 1H. If you hold the UP/DOWN button for (2) seconds, the numbers will increase/decrease more rapidly.
- (D) Five seconds after confirming the time setting, the LED display will switch to temperature setting. START TIME/ RUN TIME SET lights should both be on.
- (E) Before the automatic turn-on timer function starts, the unit will beep 2 times as a reminder, and the START TIME light will turn off. The heater will then start working with the temperature previously set.
- (F) Before the automatic turn-off timer starts, the unit will beep 14 times as a reminder, and the OFF SET light and LED screen will both turn off. The unit will also stop heating.
- (G) To cancel automatic turn-on and turn-off timer function:
 - Press TIMER for 5 seconds on the control panel.
 - Press TIMER OFF on the remote.

- 5) **HI/LOW** - Press the HI/LOW/UP button to switch from HI (rated at 1500W) to LOW (rated at 1000W). The default setting is HI.



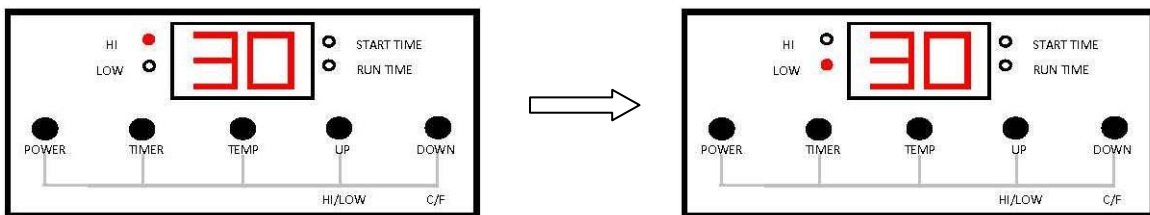
6) Memory Function

When the temperature is set, the unit will save the temperature, and apply the same temperature for the next operation.

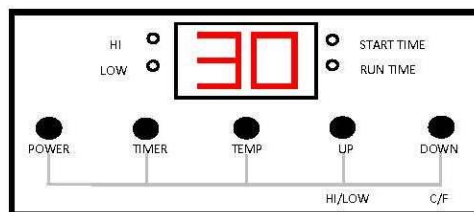


7) HI/LOW LED Red Light

When the set temperature is greater than current room temperature, the heater will automatically be running on HI setting. The HI light will be illuminated. Press the HI/LOW/UP button to switch from HI to LOW.

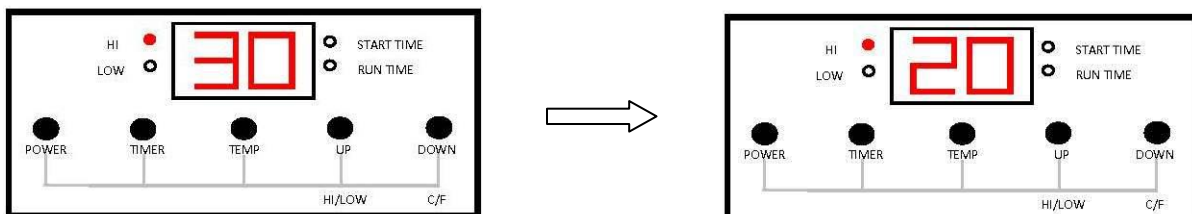


When the set temperature is less than current room temperature, both HI and LOW lights are off and the heater will not produce any heat.



8) Reset Function

To reset the entire system to the default setting, press UP button for 5 seconds.



9) Control Panel Malfunctioning

If the temperature control system is malfunctioning, the LED will display “Er” and the heater’s power supply will be cut off. This will be accompanied by a continuous buzzing.

10) High Temperature Warning

If the room temperature is higher than 36 degrees Celsius, the LED will display “Er” and the machine will beep continuously.

11) Remote Control

The heater has a remote control function. The remote will beep each time a button is pushed and successfully registered.

12) Master Power Switch Safeguard

The Infrared Heater can be turned off by pressing the POWER button. **DO NOT TURN OFF THE MASTER POWER SWITCH ON THE REAR OF THE HEATER OR UNPLUG THE HEATER UNTIL THE FAN SHUTS DOWN.** If the heater is left on using the TIME function, there will be (5) second sound alert to let you know that the time is expiring. If no actions are taken, the heater will shut off.

13) Ambient Temperature and Calibration

To find the ambient room temperature, hold down the TEMP + TIME and then let go. The ambient temperature will be displayed. To calibrate temperature setting, hold down the TEMP button for (7) seconds to switch to thermostat calibration status. The LED display will begin to flash. The default setting on the display is 00. Press HI/LOW/UP or °C/°F/DOWN button to scroll up and down for the correct calibration. The displayed temperature should match your wall or free-standing thermometer within (2) degrees. Once the desired temperature is set, press TEMP again to save your settings.

(Note: Make sure you understand the difference between the **set/desired** temperature and the **ambient** room temperature readings on the heater. The **set/desired** temperature reading is defaulted to 20 degrees Celsius. You see this displayed when you first turn on the heater. The **set/desired** temperature reading has nothing to do with calibrating the heater. The **ambient** temperature is what the heater believes to be the current room temperature. To find the **ambient** room temperature, you must push the temperature button + time button and let go quickly. This will display the ambient room temperature and this is the temperature you want to match your home thermostat reading (primary heating device). The ambient room temperature on the heater is what needs to be calibrated. For example, if your home thermostat says 21 degrees Celsius and the heater has an **ambient** room temperature reading of 24 degrees Celsius, you will need to calibrate the heater to -3. Please keep in mind that if your home thermostat temperature sensor is in a different room, there may always be a few degrees

variance between it and the heater. Now the heater will read the current room temperature 24 degrees Celsius as well.)

Remote Operation Instructions



1. Power on/off key

Power on: This button will turn on the heating unit. The LED screen should display the default temperature of 20 degrees Celsius

Power Off: This button will turn off the heating unit. The LED screen will go blank, indicating the unit has been turned off.

2. TIMER OFF: This button will cause the timer setting to stop, provided the timer function is set already.

3. START TIME: Automatic Turn-On Mode

4. RUN TIME: Automatic Turn-Off Mode

5. UP, HI/LOW: This key is used to adjust the temperature or time setting up by either one degree or one hour, respectively, as well as to select the high or low power.

Note: UP, HI/LOW button has a dual function:

- Increase hour and degree in timer mode and temperature setting mode
- Switch the power output from HI to LOW in regular mode

6. TEMP: Temperature setting mode

7. DOWN: This button is used to decrease the temperature or time, adjusting either one degree or one hour, respectively.

Recommendations for Maximum Performance

1. Be sure not to place the heater in an area where there is significant air flow.
2. Direct the outflow towards the center of the room and not against a solid structure, such as a wall. For larger areas, place the heater within a central location.
3. The Infrared Heater is designed for maximum efficiency in the 10⁰ C to 30⁰ C range.
4. Existing HVAC heating system vents should be closed. This allows the heater to function in an isolated area.
5. It is not recommended to operate heater in areas exposed to non-insulated concrete or metal walls. Concrete floors should be covered to insulate the heat within the room.
6. If the heater filters become dirty or dusty, they must be cleaned for the heater to operate at its maximum efficiently. This can be done with warm water and a cloth or rag.

Care, Maintenance, and Storage

Before care or maintenance is applied, always unplug the cord from the receptacle. The cabinet housing can be wiped down with water and a damp cloth or with furniture polish. The heater has a washable filter. The filter should be cleaned regularly to allow for maximum performance. Once the filter is removed, run warm water through and over the filter to remove dirt and dust. Shake all water residues from the filter and replace it back in the heater. (Note: A mild soap can be applied to assist in removing dirt and dust from the filter)

If the heater is not to be used for an extended period of time, it can be stored away. Make sure the power is turned off and the cord is unplugged from the receptacle. Cover the heater to prevent dust from accumulating on the heater. You may want to repack it back in its original carton. Always store the heater in a dry and dust free environment.

(Note: You may want to clean the filter prior to storing the heater away so that it is ready for operation the next time it is put in use.

Troubleshooting

1. PROBLEM:

- a. If the Heat Emitter is broken or damaged
- b. If the Control Panel is not responding, the temperature reading is above 86°F, or there is a burning odor coming from the portable heater
- c. Power cord is damaged

SOLUTION: Contact the manufacture immediately. **DO NOT** attempt to operate the portable heater as this may cause electric shock, fire, and/or injury.

2. PROBLEM:

- a. The amount of heated air exiting the front of the portable heater is reduced.

SOLUTION: Check the electrostatic filter to make sure it is free of dust and dirt. Also check the front grill and rear air intake to make sure it is not being blocked by any kind of debris.

3. PROBLEM:

- a. The portable heater will not turn on.

SOLUTION: First, test your outlet to make sure it has power. You can do this by plugging in another appliance and turning the appliance on. Secondly, check the LED display to see if it is flashing. If this is the case, press the POWER button to turn off the TIME and resume normal operation of the portable heater. Third, check the power switch to see if it is lighting up. If the outlet does have power, the LED display is not flashing, or the power switch is not lighting up, contact the manufacturer immediately for further troubleshooting.

4. PROBLEM:

- a. The portable heater continues to operate even when the power switch is turned off.

SOLUTION: **Do not** unplug. The portable heater has a fan that will continue to operate even when the power switch is turned off. This fan continues to run in order to cool down the portable heater. Once the fan stops running, you can then unplug the portable heater.

5. PROBLEM:

- a. The control panel displays no temperature or time.

SOLUTION: First, check to make sure the power cord is not damaged, is plugged in, and the outlet has power. Secondly, check to make sure the control panel is not damaged. If the control panel display continues to be inoperable, contact the manufacturer for further troubleshooting.

6. PROBLEM:

- a. The control panel is displaying a temperature and time, but the portable heater does not operate.

SOLUTION: The Signal Cable or other relevant plugs may have become disconnected. Please contact the manufacturer for further troubleshooting.

7. PROBLEM:

- a. The heat emitter is functioning and the air outflow is working, but the temperature displayed on the LED panel does not increase.

SOLUTION: The temperature sensor may be damaged or has become disconnected. Please contact the manufacturer immediately for further troubleshooting.

8. PROBLEM:

- a. The display shows “Er”. This error code means the heating system is not working correctly.

SOLUTION: Contact the manufacturer immediately. **DO NOT** attempt to operate the portable heater as this may cause electric shock, fire, and/or injury.

Limited Warranty

1 Year Limited Warranty: Dynamic warrants the heating elements and electronics against defects in material and workmanship for a period of one year from the original date of purchase. **This portable heater is for INDOOR use only. Operating your portable heater outdoors will VOID this warranty. Any damage due to exposure to outdoor elements such as rain, snow, sun, wind or extreme temperatures will not be covered by this warranty.**

Extent of Warranty

This limited warranty applies to products manufactured or distributed by the Dynamic brand name, is delivered in the continental United States/Canada and extends to the original purchaser only. This warranty becomes valid at time of purchase and terminates either by specified time frame listed above and/or owner transfer. **Your sales receipt showing the date of purchase of the product is your proof of purchase.**

Manufacturer Warranty

All Dynamic products are manufactured with the highest quality materials and are warranted to be free from defects in material and workmanship at the time of purchase. The appliance warranty is extended through the manufacturer of the product. All exchanged parts and products replaced under this warranty will become the property of Dynamic. Dynamic reserves the right to change manufactures of any product part to cover any existing warranty. Any parts determined to be defective must be returned to Dynamic or its representatives to obtain warranty service. You must prepay any shipping charges, export taxes, custom duties and taxes, or any other charges associated with the transportation of the parts. In addition you are responsible for insuring any parts shipped or returned. You must present Dynamic with proof of purchase documents (including the date of purchase). Any evidence of alteration, erasing or forgery of proof of purchase documents will be cause to **VOID** this limited warranty. Product on which the serial number has been defaced or removed is not eligible for warranty service.

Warranty Limitations

This warranty does not apply if the unit has been subject to negligence, alteration, modification, misuse, abuse, repairs by non-Golden Designs, Inc. authorized personnel, inappropriate installations, or any case beyond the control of Golden Designs, Inc. invalidating this warranty including but are not limited to:

- Use of lacquer or paints
- Heater and other Golden Designs, Inc. products placed on non-approved surfaces or placed near combustible materials
- Outdoor applications
- Normal wear and tear or weathering
- Use of product not in accordance with instructions

Surface cracks are not considered defects in material or workmanship, as they are normal characteristics of all woods. This includes minor cracks due to wood expansion and contraction. Note: Since the wood used in construction has been kiln dried, a certain amount of expansion and contraction occurs in the wood in a sauna environment.

Disclaimers

Dynamic and Golden Designs, Inc. shall not be liable for loss of use of heater or other Dynamic products or other incidental or consequential costs, expense or damages arising directly or indirectly out of the use or inability to use the product. . Any implied warranty shall have duration equal of the applicable warranty stated above. Under no circumstances shall Dynamic or any of its representatives be held liable for injury to any person or damage to any property, however arising. Specifications are subject to change without notice or obligation.

Legal Remedies

This limited warranty gives you specific legal rights. You may have other rights, which may vary from state to state.

Customer Service

For customer service, contact your authorized dealer. If you need additional information or assistance, please contact Golden Designs, Inc. Customer Relations Department at info@goldendesignsinc.com or call (909) 212-5555.

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WARRANTY CARD

Congratulations on your purchase of the Dynamic Infrared Heater. Please take the time to complete the following Warranty Card and mail it to:

**Golden Designs, Inc.
c/o Dynamic Portable Heater
1920 Proforma Ave.
Ontario, CA 91761**

Please include a copy of your sales receipt showing date of purchase as this will serve as proof of purchase.

Warranty will be VOID if the following warranty card is not mailed back within 60 days of purchase date along with proof of purchase.

****Serial number (S/N) is located on the heater’s front panel, rear panel, or on the carton.****

DETACH HERE AND MAIL BOTTOM PORTION WITH PROOF OF PURCHASE



WARRANTY CARD

All fields must be completed to validate the warranty.

Name: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Phone Number: _____

Product Model: _____

Product Serial Number: _____

Purchase Date: _____