

HEAT CONTROLLER

**INSTALLATION &
OPERATION MANUAL**

**Glass Panel
Convection Heater
Portable or Wall Mount
IRGPH15B**

For Indoor Use only





WARNINGS



This electric appliance produces convection heat and failure to follow warnings and instructions can cause a fire or injury.

READ AND SAVE THESE INSTRUCTIONS!

WARNING FIRE OR EXPLOSION HAZARD

- Failure to follow safety warnings exactly could result in serious injury or property damage.
- For indoor use only.
- Do not use the heater close to furniture, curtains or other flammable items. Allow at least 36 inches (1 meter) between the heater and flammable items.
- Do not cover or otherwise obstruct the heater.
- Do not cover or obstruct the heater outlet slots on the top of the unit or the air inlet slots on the bottom of the unit.
- Do not use in bathrooms, laundry rooms or other areas that are damp or have standing water.

WARNING PERSONAL INJURY HAZARD

- Do not touch the heater during operation. Burn or scald injury could result.
- Keep children away from the heater. Never leave an unsupervised child near the heater.
- Because of injury risk, the heater should be operated only by individuals knowledgeable about the operation and familiar with the warnings and cautions listed in this manual.
- Because of injury risk, this heater is not intended for use by persons with reduced physical, sensory or mental capabilities.

WARNING PERSONAL INJURY HAZARD—SERVICE

- To avoid property damage, personal injury or death due to electrical shock, do not service the unit without first unplugging the unit from the wall outlet and allowing adequate time for the unit to cool down.
- Service must be performed only by a qualified service technician.
- Do not use the heater if the power cord is damaged. Contact an authorized servicer or electrician to replace the cord prior to use.

WARNING INSTALLATION & USE

To avoid property damage, personal injury or death due to electrical shock, follow all the instructions in this Installation and Operation manual.

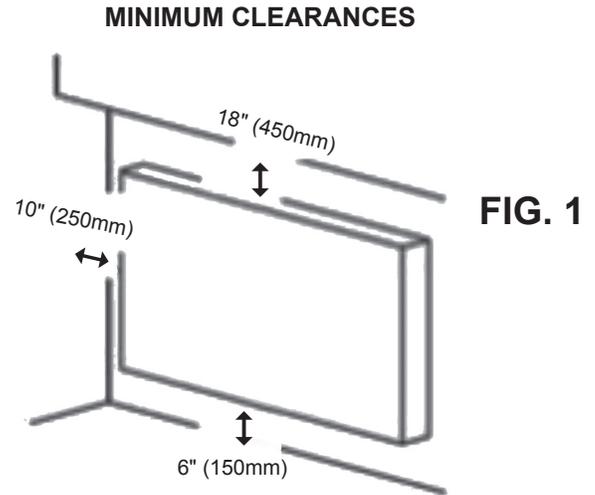
- All local, regional and national electric codes and local construction codes must be observed in the installation of the heater.
- The power outlet must be properly polarized and grounded. Use of a ground fault circuit interrupter (GFCI) is always recommended.
- Be sure the voltage listed on the heater's nameplate is the same as the voltage at the installation site.
- The room where the heater is being used should have a working smoke detector installed.
- Do not place the heater behind a door or other obstacle and operate it.
- Do not place the power cord under a carpet or rug.
- Wall mount option: do not alter power cable.
- Remove the plug from the power outlet and wait until the heater is sufficiently cool before cleaning it.

CAUTION

- Use an extension cord with extreme caution, making sure the extension cord is rated to handle the heater's amp and watt load.
- Use extreme caution whenever the heater is left operating and unattended.
- Wall mount option: Do not install the heater immediately below or in front of an electrical wall outlet.
- Do not use a timer or other device that automatically turns on the unit.
- Do not use the heater with an external voltage regulator such as a dimmer or speed controller.
- Unplug the heater from the power source when not in use.

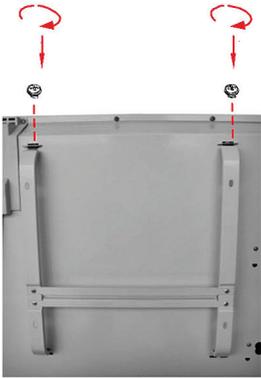
FIXED WALL MOUNT LOCATION

- This heater is designed for indoor use only.
- Do not locate the heater in front of or below a fixed socket outlet.
- Comply with the minimum clearance in front of or below a fixed socket outlet as shown in Figure 1.
- Do not install the heater where a draft is likely to affect the temperature setting.

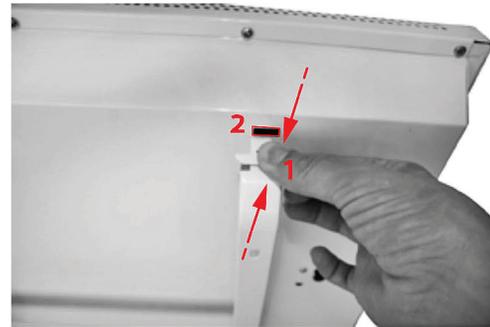
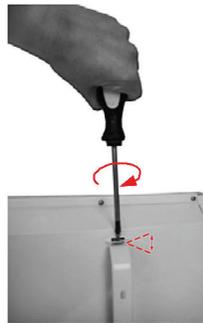


FIXED WALL MOUNT OPTION—INSTALLATION

INSTALL ON THE WALL

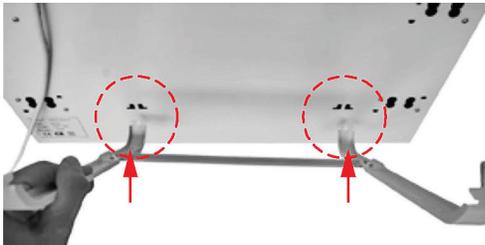


STEP 1

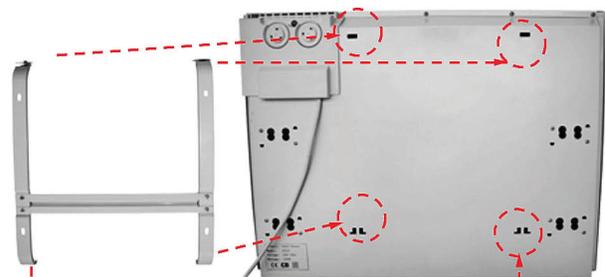


STEP 2

Refer to directions
on following page



STEP 3



STEP 4

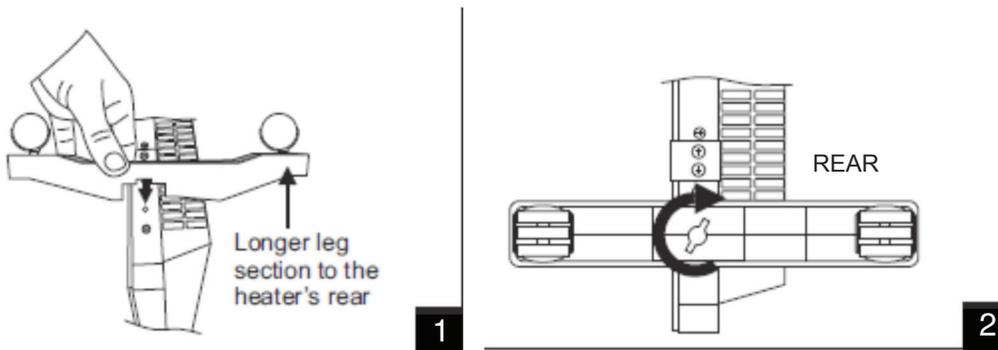
FIXED WALL MOUNT OPTION—INSTALLATION

1. The wall brackets supplied with the heater must be used for the wall mount option
2. The heater should be positioned observing the minimum clearances stated around the heater:
MINIMUM CLEARANCES (SEE FIG 1) :

From top surface of heater	18" (450mm)
From side of heater	10" (250mm)
From bottom of heater	6" (150mm)

Do not locate the heater where a draft may affect the ambient temperature readings, and thus the control setting.
3. First remove the wall bracket from the rear housing of the heater. Unscrew the (2) screws located on the top of the two vertical bars of the wall bracket (see Step 1 on page 3).
4. Pull out the top of the bar by pressing firmly on both upper tabs slotted into the rear housing (Step 2).
5. Slide the wall bracket down to remove it from the rear housing (Step 3).
6. Fix the wall bracket securely to the wall through the (4) screw holes provided. Use wall anchors if necessary (not provided).
7. Hold the heater in the upright (vertical) position and position the top of heater against the wall bracket. Push the bottom slots on the heater's back enclosure onto bottom tabs on the vertical bracket bars. Pull up on the heater to seat the heater onto the bracket.
8. Push the heater toward the top of the bracket's vertical bars, firmly seating the bracket tabs into the top slots on the back of the heater enclosure. Tighten the (2) screws on the top of the bracket's vertical bars to lock the heater to the mounting bracket (Step 4).

PORTABLE FLOOR MOUNT OPTION—INSTALL SUPPORT FEET



1. Turn the heater upside down begin assembly of the two support feet by unscrewing the wing-nuts.
2. Position the support feet with the longer section at the rear of the heater as shown (Fig.1-2)..
3. Reinstall the wing nuts and be sure both wing-nuts are tightened firmly and the casters on the feet are secure.
4. Turn the heater upright before operating it.

ELECTRICAL CONNECTION

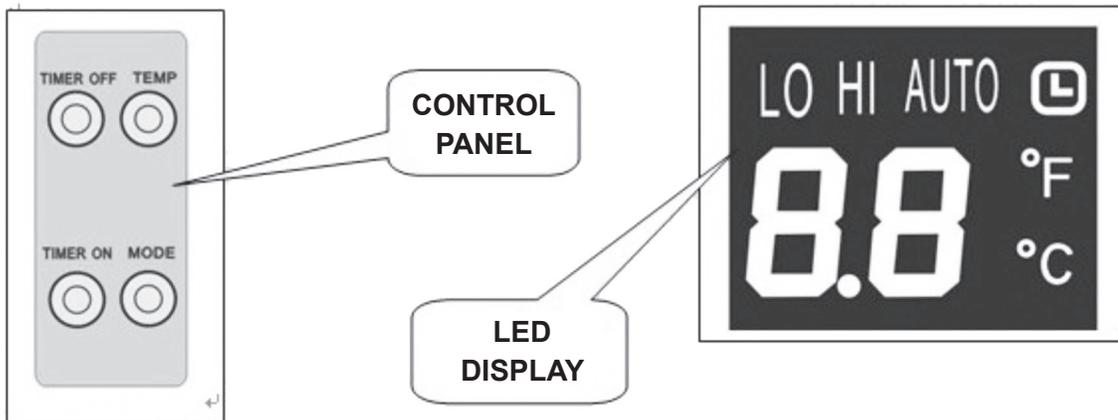
- The heater must be powered with 120V 60Hz single phase current.
- The power outlet must be properly polarized and grounded. Use of a ground fault circuit interrupter (GFCI) is always recommended
- The proper electrical outlet, circuit breaker, etc., must be installed by a qualified electrician.
- Use of an extension cord is not recommended.

OPERATION



The power switch and control panel are located on the right side of the heater enclosure.

The LED display shows in the upper right corner of the glass panel on the front of the heater.



- **MODE BUTTON:** There are four modes: LO, HI, AUTO, and STANDBY. Press the MODE button to scroll through the functions in the following sequence:
- LO → HI → AUTO → STANDBY

LO: low-power heating.

HI: high-power heating.

AUTO: In the automatic mode, the desired temperature can be set using the TEMP button.

When the ambient temperature reaches (or exceeds) the set temperature, the heater will stop heating. When the ambient temperature is below the set temperature, the heater automatically will switch to HI power to bring the ambient temperature up to the set temperature.

STANDBY: The unit does not generate any heat when in STANDBY mode. All settings are saved while in STANDBY mode.

To exit the STANDBY mode, press the Mode button until the desired mode is displayed.

- **TEMP BUTTON:** The temperature setting range is 41°F to 95°F (5°C to 35°C). To set the temperature, press the TEMP button and the LED display will show either the default temperature setting value of 75°F (24°C) or the last set temperature.

Press the TEMP button again to set the desired temperature value. Once the desired temperature is set, the display will show the set temperature for 5 seconds, then will display the current ambient temperature.

TIMER FUNCTION

The user can set a specific time in the standby mode using the TIMER OFF and TIMER ON buttons.

- **TIMER OFF button:** When the heater is working, press the TIMER OFF button to set the time off. The time range is 1hr to 24hr, in 1 hour increments. When TIMER OFF is pressed, the LED display shows either the default timing (0hr, 0hr meaning no timer setting) or the last regular timer setting. Continue to press the TIMER OFF button to set the timing. When set, the display will show the TIMER OFF setting for 5 seconds, and then display the ambient temperature.

When the timer setting expires, the heater will automatically stop heating—if the timer is set for 3hr, for instance, the heater will turn off after operating for three hours.

TIMER ON button: In standby mode, the TIMER ON button is used to set a time delay for the unit to start heating. The time range is 1hr to 24hr, in 1 hour increments. Press and hold the TIMER ON button and the LED display shows either the default timing (0hr, 0hr meaning no timer setting) or the last TIMER ON setting. Continue to press the

TIMER ON button to set the timing. The heater will automatically start to heat in the AUTO mode when the set time on is reached.

- **Temperature unit selection:** Pressing the TEMP and the MODE buttons at the same time shifts the temperature unit between Fahrenheit and Celsius. If the power is turned off either by using the ON/OFF switch or disconnecting the power source, the display will automatically revert to Celsius scale. Putting the unit in STANDBY mode will not change the setting.
- **Alarm indicator:** When the thermostat is disconnected, the red indicator will light up, nothing will display on the screen, and the heater will stop working. When the machine cools down, the thermostat and the heater will restart.
- **Remote control:** The remote control operates in the same manner as the control panel on the heater. For safety reasons, the remote control does not offer the TIMER ON feature.



OPERATION SAFETY FEATURES

1. If the heater overheats for any reason, a thermal cut-out switch discontinues power to the heater, preventing excessively high heat hazards.
2. The heater also is equipped with a tip-over switch which turns OFF power to the heater in the event that the heater falls over or is knocked over.

MAINTENANCE & SERVICE

1. Before you clean the appliance, switch the heater to OFF and wait until it has cooled down.
2. Use a soft cloth to wipe off the panel heater housing.
3. Clean the upper and lower grilles of the unit periodically.
4. Do not use water, detergents, abrasive cleaning liquids or chemical agents (alcohol, gasoline, etc.) to clean the heater.
5. Periodically check that there is no dust blocking the vent slots on the top or bottom of the heater. Clean the vent slots as necessary.

Note on Initial Start Up : There may be a trace of smoke or slight odor when unit is first operated. Do not be alarmed as this will quickly dissipate.

For service, contact an authorized servicer or qualified electrician. There are no parts of the heater that are user serviceable.

Limited Express Warranty

Comfort-Aire® Convection Heater

LIMITED ONE (1) YEAR PARTS EXPRESS WARRANTY

Heat Controller warrants all parts of the Infrared Heater to be free from defects in workmanship and materials for normal residential use and maintenance for one (1) year from the date of purchase by the original consumer. This Express Limited Warranty applies only when the Infrared Heater is installed and operated per Heat Controller installation and operating instructions for normal use.

EXCEPTIONS

The Limited Express Warranty does not cover normal maintenance—Heat Controller recommends that regular inspection/maintenance be performed according to the Installation and Operation Manual. Additionally, labor charges, diagnostic charges, transportation charges for replacement parts, or any other service calls/repairs are not covered by this Limited Warranty. It also does not cover any portion or component of the system that is not supplied by Heat Controller, regardless of the cause of failure of such portion or component.

CONDITIONS FOR WARRANTY COVERAGE

- Unit must be operated according to Heat Controller operating instructions included with the unit and cannot have been subjected to accident, alteration, improper repair, neglect or misuse, or an act of God (such as a flood)
- Installation must be according to Heat Controller installation instructions
- Rating plate has not been altered or removed
- Unit is not operated in a corrosive environment
- Performance cannot be impaired by use of any product not authorized by Heat Controller, or by any adjustments or adaptations to components
- Damage has not been a result of inadequate wiring or voltage conditions, use during brown-out conditions, or circuit interruptions

DURATION OF WARRANTY & REGISTRATION

The warranty begins on the date of purchase by the original consumer. The consumer must register at www.heatcontroller.com within 90 days of purchase. The consumer must retain a receipted bill of sale as proof of warranty period. Without this proof, the express warranty begins on the date of shipment from the factory.

REMEDY PROVIDED BY THE LIMITED EXPRESS WARRANTY

The sole remedy under the Limited Warranty is replacement of the unit. If for any reason the replacement product is no longer available during the warranty period, Heat Controller shall have the right to allow a credit in the amount of the current suggested retail price of the product instead of providing replacement.

LIMITATION OF LIABILITY

1. There are no other express or implied warranties. Heat Controller makes no warranty of merchantability. We do not warrant that the unit is suitable for any particular purpose or can be used in buildings or rooms of any particular size or condition except as specifically provided in this Installation and Operation document. There are no other warranties, express or implied, which extend beyond the description in this document.
2. All warranties implied by law are limited in duration to the one-year term of the Parts Warranty. Your exclusive remedy is limited to the replacement of defective parts. **We will not be liable for any consequential or incidental damages caused by any defect in this unit.**
3. This warranty gives you specific legal rights and you may also have other rights which vary from state to state. Some states do not allow limitation on how long an implied warranty lasts or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.
4. No warranties are made for units sold outside the continental United States and Canada. Your distributor or final seller may provide a warranty on units sold outside these areas.
5. Heat Controller will not be liable for damages if our performance regarding warranty resolution is delayed by events beyond our control including accident, alteration, abuse, war, government restrictions, strikes, fire, flood, or other acts of God.

HOW TO OBTAIN WARRANTY SERVICE OR PARTS

If you have a warranty claim, contact Heat Controller at 517-787-2100. Have the model number and date of purchase available for this call. Do not return your unit to the store where it was purchased.

Owner responsibilities are set forth in the instruction manual—read it carefully.

**Design, material, performance specifications and components
subject to change without notice.**

HEAT CONTROLLER

1900 Wellworth Ave., Jackson MI 49203 • Ph. 517-787-2100 • www.heatcontroller.com

A  Company