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> [Mr. Heater 30,000 BTU Vent Free Radiant Propane Heater \(Model F299830\) Instruction Manual](#)

## Mr. Heater F299830

# Mr. Heater 30,000 BTU Vent Free Radiant Propane Heater

Model: F299830

### IMPORTANT SAFETY INFORMATION

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**WARNING:** This product can expose you to chemicals including carbon monoxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

- Always read and understand all instructions before installing or operating this heater.
- This heater is equipped with an Oxygen Depletion Sensor (ODS) which will automatically shut off the heater if oxygen levels fall below a safe threshold. Do not tamper with or bypass this safety device.
- Not recommended for use at altitudes above 4,500 feet due to potential performance issues and safety concerns.
- For indoor use only. Ensure adequate ventilation as specified in local codes.
- Use only Liquid Propane (LP) gas as fuel. Do not use natural gas.
- Keep children and pets away from the heater, especially when operating. The surface can become very hot.
- Maintain clear space around the heater. Do not place clothing, curtains, or other flammable materials within 3 feet of the heater.

### PRODUCT OVERVIEW

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The Mr. Heater 30,000 BTU Vent Free Propane Radiant Heater (Model F299830) utilizes advanced infrared technology to directly warm people and objects, efficiently heating spaces up to 1,000 square feet. It is designed for use in rooms, additions, sunrooms, or cabins. This heater can be mounted on a wall or used free-standing with the included legs, offering flexible placement options.



Image: Front view of the Mr. Heater 30,000 BTU Vent Free Radiant Propane Heater, showing the radiant burner tiles and protective wire guard.

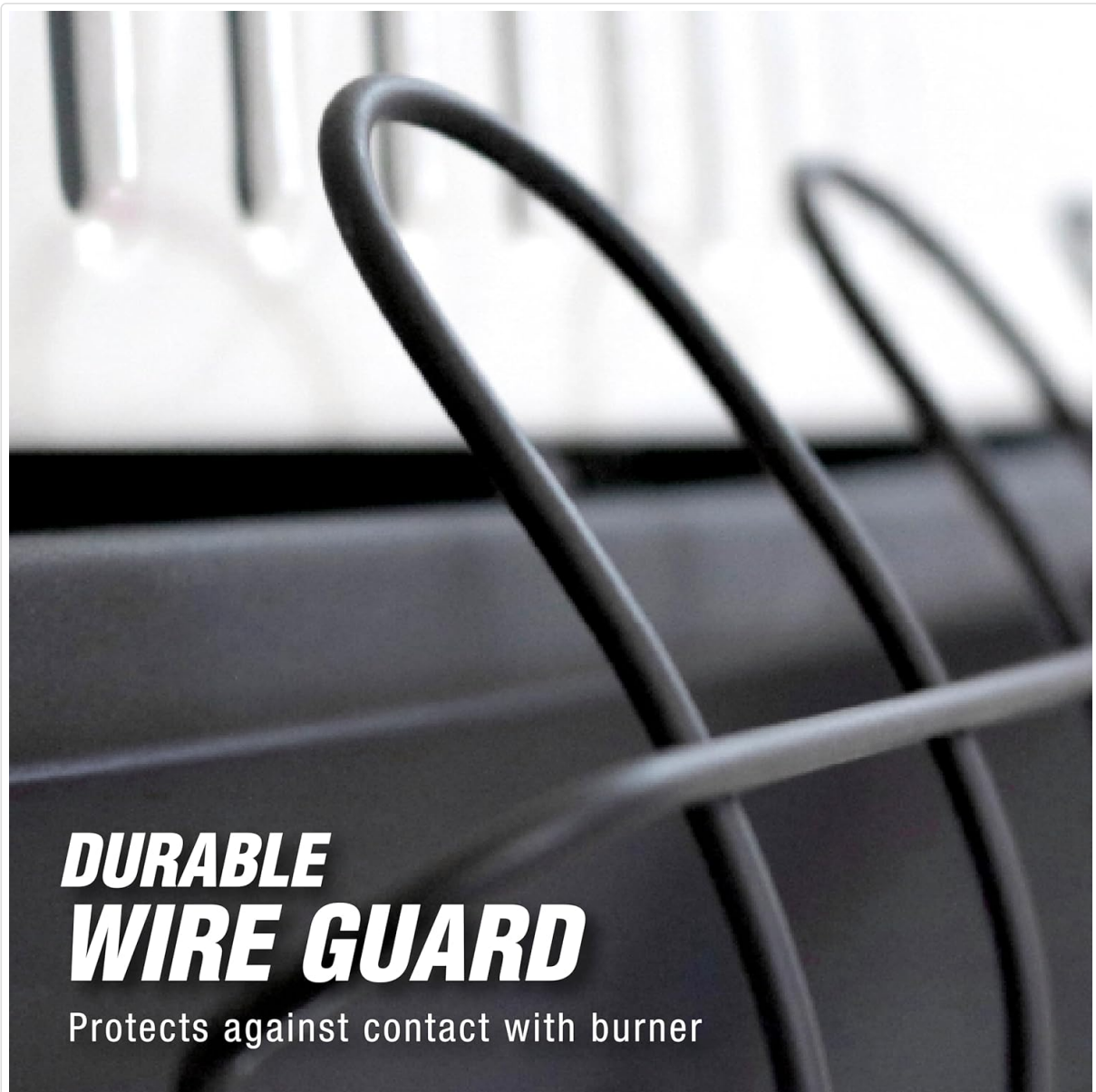
### Key Features:

- **High Efficiency:** 30,000 BTU output, covering up to 1,000 sq. ft.
- **Radiant Heat:** Multiple burner tiles provide warmth similar to natural sunlight.
- **Fuel Efficient:** Consumes approximately 1.389 lbs of fuel per hour, offering extended runtime.
- **Safety Protection:** Features an automatic low-oxygen shut-off system (ODS).
- **Convenient Control:** Built-in thermostat for automatic temperature adjustments.

- **Easy Ignition:** Battery-powered electronic ignition for hassle-free startup.
- **Flexible Installation:** Can be wall-mounted or used freestanding (hardware included).



Image: Close-up view of the radiant infrared heat tiles, illustrating the heat source.



## ***DURABLE WIRE GUARD***

Protects against contact with burner

Image: Close-up of the durable wire guard, designed to protect against contact with the burner.

### **SETUP AND INSTALLATION**

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Before beginning installation, ensure the heater is placed in a location that meets all safety clearances from combustible materials. Refer to the safety information section for critical warnings.

#### **Placement Options:**

- **Freestanding:** Attach the included legs to the bottom of the heater. Ensure the heater is stable on a level surface.
- **Wall-Mounted:** Use the provided mounting hardware to securely fasten the heater to a wall. Follow local building codes and manufacturer guidelines for proper wall mounting.



Image: Close-up of the heater's base, illustrating that it can be wall-mounted or used freestanding with the included feet.

#### **Fuel Connection:**

1. This heater operates on Liquid Propane (LP) gas only. A minimum 20 lb LP cylinder is required.
2. Connect the propane supply line to the heater's inlet. Ensure all connections are tight and leak-free. Use appropriate thread sealant if necessary.
3. Perform a leak test on all gas connections using a soap and water solution before operating the heater. Bubbles indicate a leak.

An optional blower fan kit (Model F299201) is available separately to enhance warm air circulation in larger spaces.

## **OPERATING INSTRUCTIONS**

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### **Starting the Heater:**

1. Ensure the propane supply valve is fully open.
2. Locate the control knob on the top of the heater.

3. Push and turn the control knob to the "PILOT" position. Hold it down for 30-60 seconds to allow gas to flow and purge air from the line.
4. While holding the knob down, press the electronic ignition button repeatedly until the pilot flame ignites. You should see a small flame through the viewing window.
5. Continue to hold the control knob down for another 30 seconds after the pilot ignites to ensure the thermocouple is heated. Release the knob; the pilot flame should remain lit.
6. If the pilot does not stay lit, repeat steps 3-5.

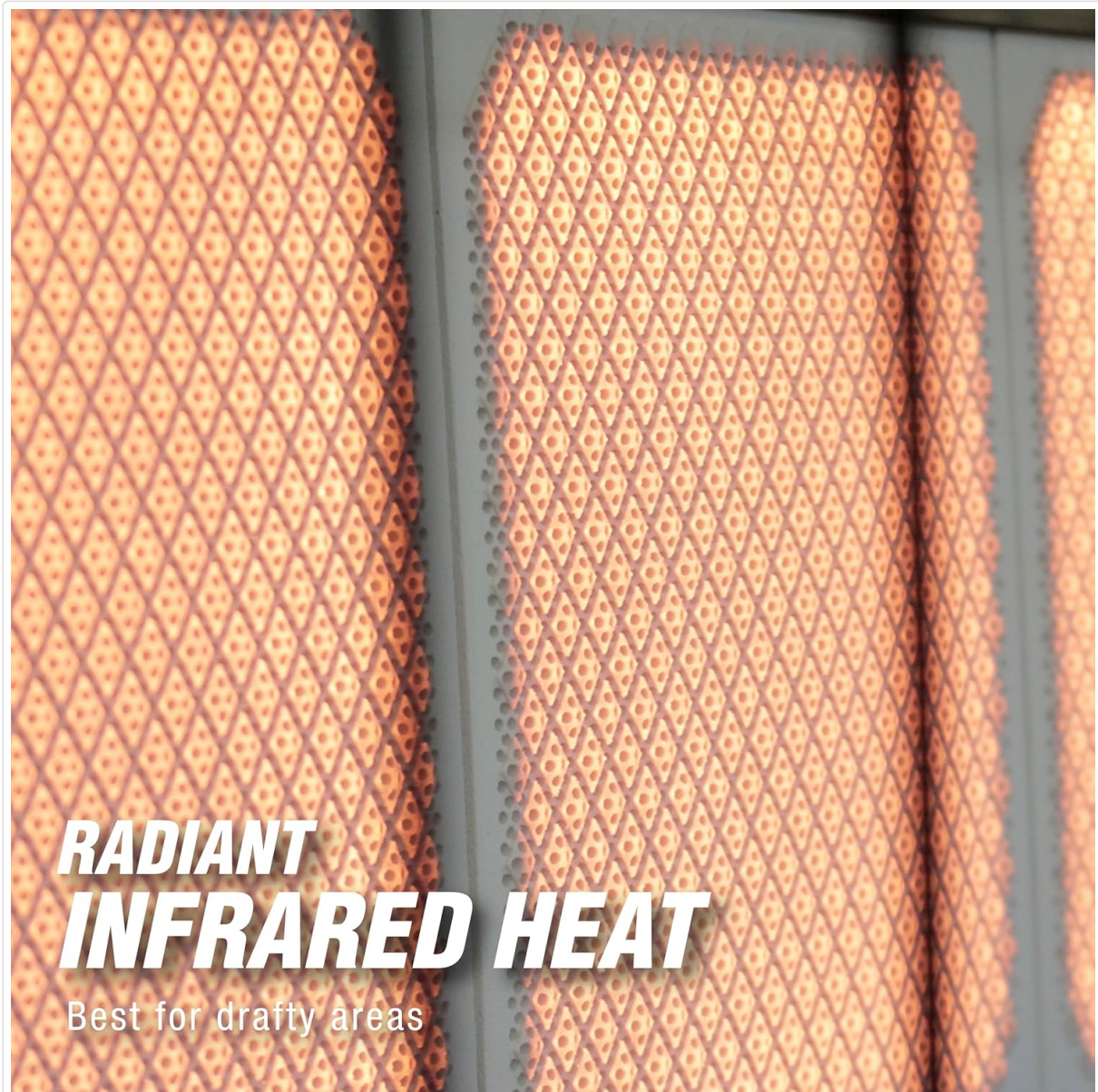


Image: Close-up view of the electronic ignition button, which requires no external electricity.

#### **Adjusting Temperature with the Thermostat:**

1. Once the pilot is lit, turn the control knob from "PILOT" to the desired heat setting (1-5). The main burner will ignite.
2. The built-in thermostat will automatically regulate the heat output to maintain the set temperature. Higher numbers correspond to warmer temperatures.
3. To turn off the main burner while keeping the pilot lit, turn the control knob to the "PILOT" position.
4. To completely shut off the heater, turn the control knob to the "OFF" position.

# ***BUILT-IN THERMOSTAT***



Image: Close-up of the heater's control knob, showing the "OFF", "PILOT", and numbered heat settings (1-5) for the built-in thermostat.

## **MAINTENANCE**

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Regular maintenance ensures safe and efficient operation of your Mr. Heater F299830.

- **Cleaning:** Ensure the heater is completely cool and disconnected from the propane supply before cleaning. Use a soft, damp cloth to wipe down exterior surfaces. Do not use abrasive cleaners or solvents. Keep the burner tiles and air inlets free from dust and debris.
- **Inspection:** Periodically inspect the gas connections and hose for any signs of wear, damage, or leaks. Perform a leak test at the beginning of each heating season or if the gas supply has been disconnected.
- **Storage:** If storing the heater for an extended period, disconnect the propane cylinder and store the heater in a dry, protected area.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Pilot light won't ignite or stay lit.	No propane supply. Air in gas line. Thermocouple not heating sufficiently. ODS activated due to low oxygen.	Ensure propane tank valve is open and tank has fuel. Hold pilot knob down longer to purge air. Hold pilot knob down for at least 30 seconds after ignition. Increase ventilation in the room.
Main burner does not ignite.	Pilot light not lit. Thermostat set too low. Propane supply issue.	Ensure pilot light is lit and stable. Increase the thermostat setting. Check propane tank and connections.
Heater produces insufficient heat.	Thermostat set too low. Heater size inadequate for space. High altitude operation.	Adjust thermostat to a higher setting. Ensure heater is appropriately sized for the area. Note: Performance may be reduced above 4,500 feet.

If problems persist after attempting these solutions, consult a qualified service technician.

## SPECIFICATIONS

<b>Model Number</b>	F299830
<b>BTU Output</b>	30,000 BTU
<b>Heating Coverage</b>	Up to 1,000 sq. ft.
<b>Fuel Type</b>	Liquid Propane (LP)
<b>Ignition Type</b>	Battery-powered Electronic Ignition
<b>Special Features</b>	Built-in Thermostat, Oxygen Depletion Sensor (ODS)
<b>Dimensions (D x W x H)</b>	23.75"D x 11.25"W x 27"H
<b>Item Weight</b>	30.1 pounds
<b>Mounting Type</b>	Wall Mount or Freestanding
<b>UPC</b>	089301001053

## WARRANTY AND SUPPORT

**Warranty:** The manufacturer states "Not applicable" for warranty description. Please refer to your purchase documentation or retailer for specific warranty details, if any, at the time of purchase. For technical assistance or further inquiries, please contact Mr. Heater customer support. Contact information can typically be found on the product packaging or the official Mr. Heater website.

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This manual is for informational purposes only. Always follow local codes and safety regulations.