

Infratech WD-4024

Infratech WD-4024 Dual Element Electric Heater Instruction Manual

MODEL: WD-4024

1. Safety Information

Please read all instructions carefully before installing or operating this heater. Failure to follow these instructions may result in electric shock, fire, property damage, or personal injury.

- **Electrical Safety:** This appliance must be installed by a qualified electrician in accordance with all local electrical codes. Ensure the power supply matches the heater's voltage requirements (240 Volts).
- **Heat Hazard:** The heater generates high temperatures. Do not touch the heating elements during operation or immediately after shutdown. Allow sufficient cooling time.
- **Clearances:** Maintain minimum clearances from combustible materials as specified in the installation guide. Do not place flammable objects near the heater.
- **Outdoor Use:** This heater is designed for both indoor and outdoor use. Ensure it is protected from direct water spray if installed outdoors.
- **Children and Pets:** Keep children and pets away from the heater during operation.
- **Ventilation:** Ensure adequate ventilation in the installation area.

2. Product Overview

The Infratech WD-4024 is a high-performance dual element electric heater designed for efficient and concentrated heating. It is suitable for recessed installations, premium outdoor heating applications, and large-scale coverage needs. This model features a durable stainless steel construction with a white finish.

Key Features:

- **Dual Element Design:** Provides more concentrated heat output.
- **Material:** Constructed from high-quality stainless steel for durability and longevity.
- **Finish:** Elegant white finish to complement various decors.
- **Wattage:** 4000 Watts for powerful heating.

- **Voltage:** Operates on 240 Volts.
- **Mounting Heights:** Optimal performance at mounting heights of 8-14 feet.
- **Compatibility:** Compatible with Infratech Duplex Stack Switch and Custom Control options for enhanced control.
- **Energy Efficient:** Designed for efficient energy consumption.

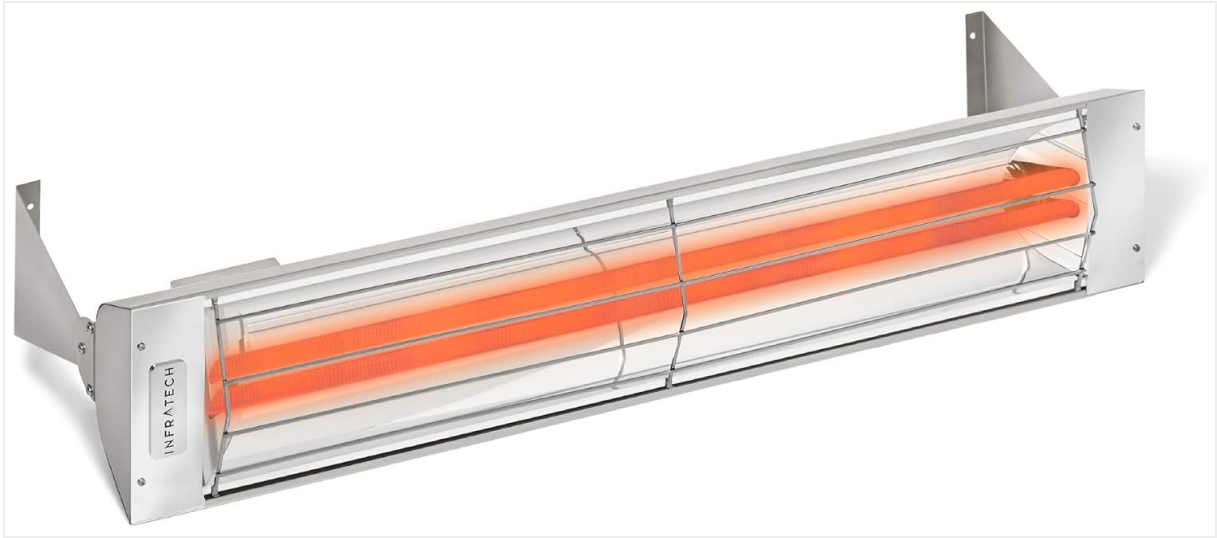


Image 2.1: The Infratech WD-4024 dual element electric heater in its white finish, showcasing its sleek design and heating elements.

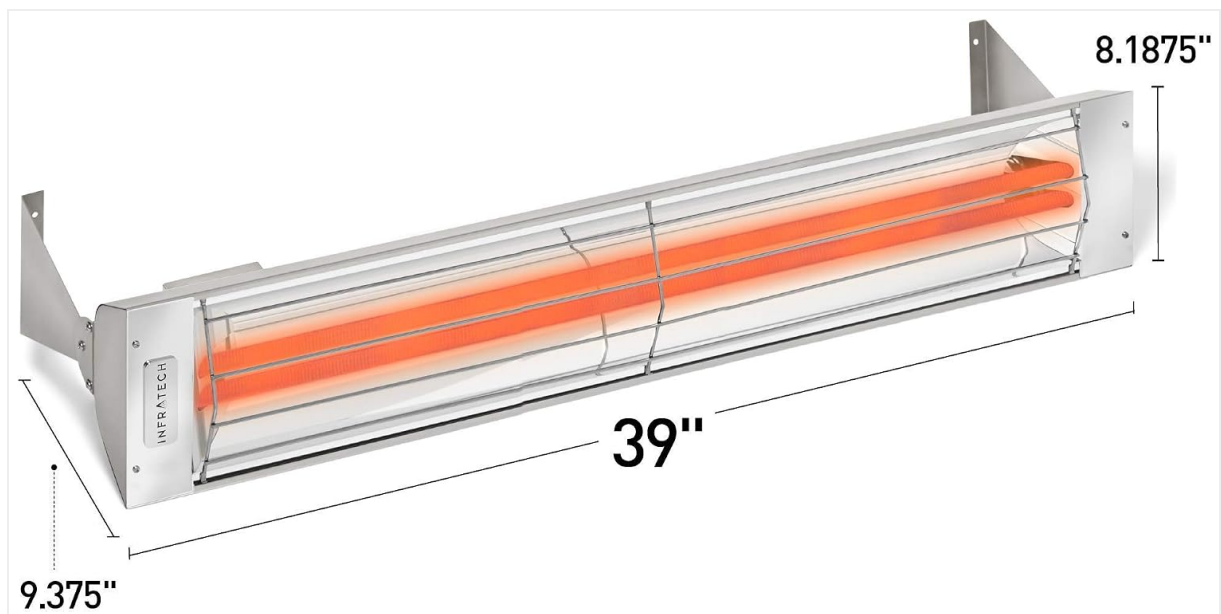


Image 2.2: This image highlights key features of the Infratech WD-4024 heater, including its 304 stainless steel construction, emission-free operation (zero noise, odor, or greenhouse gases), and recommended mounting heights between 8 and 14 feet.

3. Setup & Installation

Installation of the Infratech WD-4024 heater requires electrical expertise. It is strongly recommended that installation be performed by a licensed electrician to ensure compliance with all local and national electrical codes and safety standards.

3.1 Pre-Installation Checklist

- Verify that the power supply (240V) matches the heater's requirements.

- Ensure the mounting surface is structurally sound and can support the heater's weight.
- Confirm adequate clearances from combustible materials as per the detailed installation manual (not included here).
- Have all necessary tools and wiring materials available.

3.2 Mounting

The WD-4024 heater can be mounted on walls or ceilings. The specific mounting hardware and instructions will vary based on the chosen installation method (surface mount, recessed, etc.). Refer to the comprehensive installation guide provided with your product for detailed steps and diagrams.



Image 3.1: This image displays the Infratech WD-4024 heater with its primary dimensions: approximately 39 inches in length, 9.375 inches in depth, and 8.1875 inches in height, crucial for planning installation space.

3.3 Electrical Connection

All electrical wiring must be performed by a qualified electrician. Ensure the main power supply is turned off at the circuit breaker before beginning any wiring. Connect the heater to a dedicated 240V circuit with appropriate amperage protection. Follow the wiring diagram provided in the full installation manual.

4. Operating Instructions

Once properly installed and connected to power, operating your Infratech WD-4024 heater is straightforward.

4.1 Powering On/Off

- **To Turn On:** Activate the wall switch or control system connected to the heater. The heating elements will begin to glow and produce heat.
- **To Turn Off:** Deactivate the wall switch or control system. The heating elements will gradually cool down.

4.2 Heat Control (Optional)

If your heater is connected to an Infratech Duplex Stack Switch or a custom control system, refer to the

instructions provided with that control system for adjusting heat levels and programming. These systems allow for precise control over the heater's output.

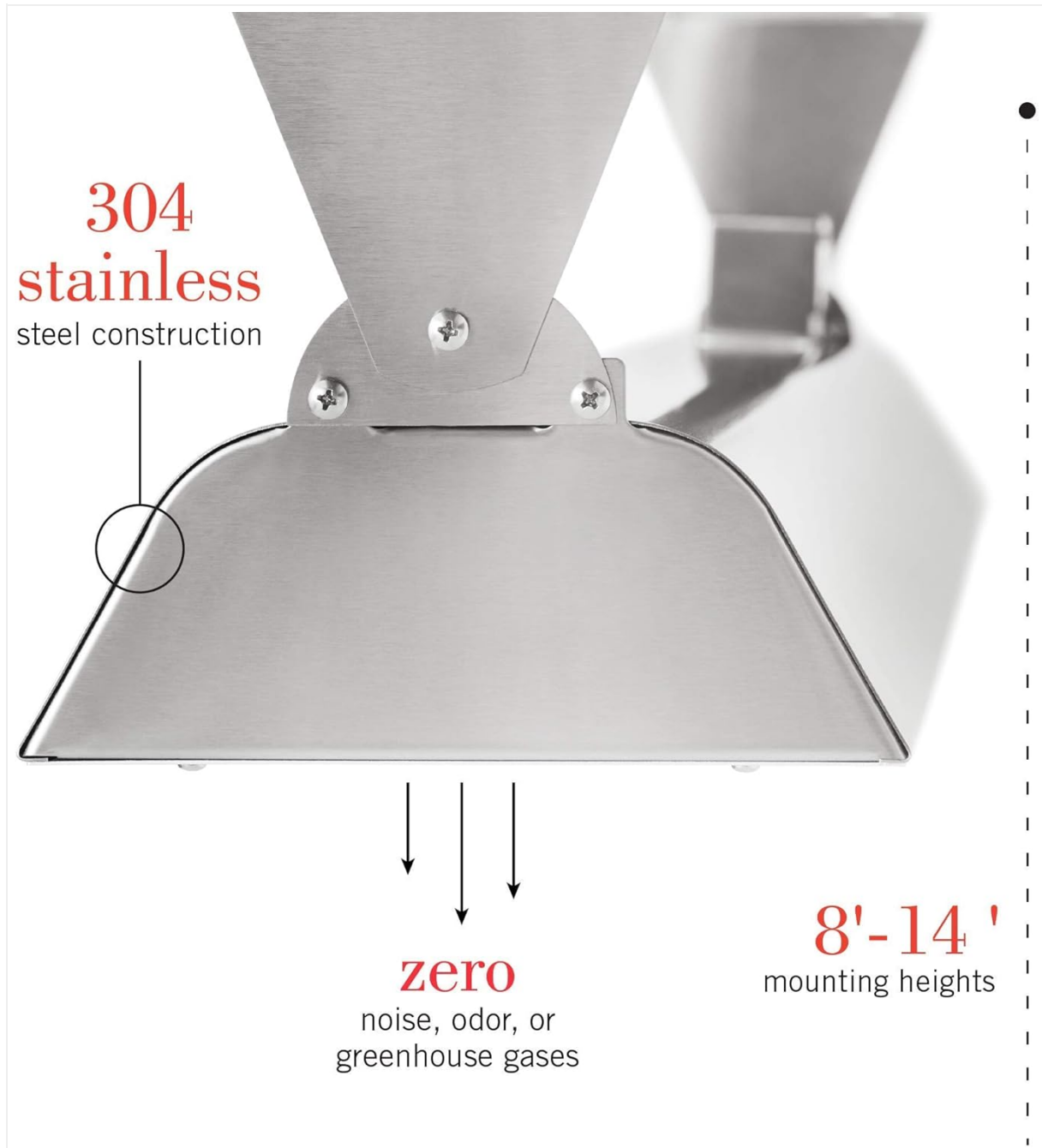


Image 4.1: This image illustrates the effective heating provided by two Infratech WD-4024 heaters, recessed into an outdoor patio ceiling, creating a comfortable environment for a family.

5. Maintenance

Regular maintenance ensures optimal performance and longevity of your Infratech WD-4024 heater. Always disconnect power to the heater at the circuit breaker before performing any maintenance.

5.1 Cleaning

- **Exterior:** Wipe the exterior surfaces with a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish.
- **Reflectors:** Periodically inspect the reflectors behind the heating elements. If dust or debris has accumulated, gently wipe with a soft, dry cloth. Avoid touching the heating elements directly.

5.2 Inspection

- Annually inspect the heater for any signs of damage, loose wiring, or corrosion.
- Ensure all mounting hardware remains secure.
- If any damage is observed, contact a qualified service technician for repair. Do not attempt to repair the heater yourself.

6. Troubleshooting

Before contacting customer support, review the following common issues and solutions:

- **Heater Not Turning On:**
 - Check if the circuit breaker for the heater is tripped. Reset if necessary.
 - Ensure the wall switch or control system is in the 'ON' position.
 - Verify that the electrical connections are secure (this should be checked by a qualified electrician).
- **Insufficient Heat Output:**
 - Confirm the heater is operating at full power (if using a control system).
 - Check for obstructions blocking the heat path.
 - Ensure the heater is installed within the recommended mounting height range (8-14 feet).
- **Unusual Noises or Odors:**
 - New heaters may emit a slight odor during initial use; this is normal and should dissipate.
 - If persistent or unusual noises/odors occur, immediately turn off the heater and disconnect power. Contact customer support.

For issues not listed here or if troubleshooting steps do not resolve the problem, contact Infratech customer support or a qualified electrician.

7. Specifications

Feature	Detail
Model Number	WD-4024 WH
Brand	Infratech
Power Source	Corded Electric
Voltage	240 Volts
Heat Output	4000 Watts
Heating Element	Radiant
Heating Method	Convection
Material	Steel
Finish Color	White
Indoor/Outdoor Usage	Indoor, Outdoor

Recommended Mounting Height	8-14 feet
Special Feature	Energy Efficient
Dimensions (Approximate)	39" Length x 9.375" Depth x 8.1875" Height

8. Warranty

The Infratech WD-4024 heater comes with a **Three-Year Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use and service. It does not cover damage resulting from improper installation, misuse, abuse, accident, or unauthorized repairs.

For warranty claims or to understand the full terms and conditions, please retain your proof of purchase and contact Infratech customer support.

9. Customer Support

If you have any questions regarding the installation, operation, maintenance, or troubleshooting of your Infratech WD-4024 heater, please contact Infratech customer support.

- **Website:** Visit the official Infratech website for FAQs, detailed manuals, and contact forms.
- **Phone:** Refer to the contact information provided on the Infratech website or your purchase documentation.
- **Email:** Use the email address provided on the official Infratech website for support inquiries.

When contacting support, please have your model number (WD-4024) and proof of purchase readily available.