



Manuals.plus /

› Infratech /

› Infratech 2400 Watt Heating Element for SL24-240 Series Heaters Instruction Manual

Infratech E2424SL

Infratech 2400 Watt Heating Element for SL24-240 Series Heaters Instruction Manual

INTRODUCTION

This manual provides essential instructions for the safe and effective installation, operation, and maintenance of your Infratech 2400 Watt Heating Element, model E2424SL. This element is designed as a replacement part for Infratech SL24 series 42½" long patio heaters. Please read all instructions carefully before proceeding with installation or use.

SAFETY INFORMATION

WARNING: Risk of Electric Shock. Disconnect power before servicing.

Improper installation, adjustment, alteration, service, or maintenance can cause injury or property damage. Refer to this manual. For assistance or additional information, consult a qualified installer, service agency, or the gas supplier.

- Always disconnect power to the heater unit before attempting any installation, maintenance, or replacement procedures.
- Installation must be performed by a qualified electrician in accordance with all local electrical codes and regulations.
- Do not operate the heater with a damaged heating element.
- Ensure the replacement element matches the specifications of the original element and the heater unit.
- Wear appropriate personal protective equipment (PPE) during installation, including gloves and eye protection.

PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 1 x Infratech 2400 Watt Heating Element (Model E2424SL)



Image: The Infratech 2400 Watt Heating Element, showing its coiled design within a protective casing. This is the primary component included in the package.

SPECIFICATIONS

| Specification | Value |
|--------------------------|---|
| Model Number | E2424SL |
| Wattage | 2400 Watts |
| Voltage Compatibility | 240V |
| Length | 35-3/8 inches (element only) |
| Compatible Heater Series | Infratech SL24 series (42½" long heaters) |
| Manufacturer | Infratech |

INSTALLATION / SETUP

This section outlines the general procedure for replacing a heating element. Always refer to the specific installation manual for your Infratech SL24 series heater for detailed instructions and safety precautions.

1. **Power Disconnection:** Locate the circuit breaker or fuse box controlling the heater. Turn off the power supply completely to the heater unit. Verify power is off using a voltage tester.
2. **Access Heater Interior:** Carefully remove the front grille or cover of your Infratech SL24 series heater to expose the existing heating element. This may involve unscrewing fasteners or releasing clips.

3. **Disconnect Old Element:** Identify the electrical connections to the old heating element. Disconnect these wires, noting their positions for re-connection. Some elements may have screw terminals, while others might use quick-connect fittings.
4. **Remove Old Element:** Unfasten any mounting brackets or clips holding the old element in place. Carefully slide the old element out of the heater housing.
5. **Insert New Element:** Gently slide the new Infratech E2424SL heating element into the heater housing, ensuring it is properly seated in its designated position.
6. **Secure New Element:** Re-attach any mounting brackets or clips to secure the new element firmly.
7. **Connect Electrical Wires:** Reconnect the electrical wires to the new heating element, ensuring a secure and correct connection based on your previous observations. Double-check all connections.
8. **Reassemble Heater:** Replace the front grille or cover of the heater, ensuring all fasteners are tightened.
9. **Restore Power:** Turn the power supply back on at the circuit breaker or fuse box.
10. **Test Operation:** Briefly turn on the heater to confirm the new element is functioning correctly. Observe for proper heating and any unusual sounds or smells. If any issues arise, immediately turn off power and consult a qualified technician.



Image: An Infratech heater with its cover partially removed, showing the internal heating element. This illustrates the general area where the replacement element will be installed.

OPERATION

The Infratech 2400 Watt Heating Element is a component part of an Infratech SL24 series heater. Its operation is controlled by the heater's main power switch and thermostat (if applicable). Once installed, the element will heat up when power is supplied to the heater unit.

- Ensure the heater is properly installed and wired according to local codes.
- Turn on the main power switch for the heater.

- Allow a few minutes for the element to reach its operating temperature and begin emitting heat.
- Refer to your specific Infratech heater manual for detailed operating instructions, including thermostat settings or remote control usage.

MAINTENANCE

The heating element itself requires minimal maintenance. However, regular inspection of the heater unit is recommended to ensure optimal performance and safety.

- **Annual Inspection:** At least once a year, with power disconnected, inspect the heating element for any visible damage, cracks, or discoloration. Check electrical connections for tightness and signs of corrosion.
- **Cleaning:** If dust or debris accumulates on the element or within the heater housing, gently clean it using a soft brush or compressed air. Ensure power is disconnected before cleaning. Do not use abrasive cleaners or liquids directly on the element.
- **Replacement:** If the element shows signs of damage, reduced performance, or fails to heat, it should be replaced with an identical Infratech E2424SL element.

TROUBLESHOOTING

This section addresses common issues related to the heating element. For broader heater issues, consult your Infratech heater's main manual.

| Problem | Possible Cause | Solution |
|---------------------------|--|---|
| Element does not heat up. | <ul style="list-style-type: none"> ◦ No power to the heater. ◦ Loose or incorrect electrical connections. ◦ Faulty element. ◦ Tripped circuit breaker. | <ul style="list-style-type: none"> ◦ Check power supply and heater switch. ◦ With power off, inspect and tighten all connections. ◦ Replace the element if confirmed faulty. ◦ Reset the circuit breaker. |
| Element heats unevenly. | <ul style="list-style-type: none"> ◦ Partial element failure. ◦ Debris obstructing heat emission. | <ul style="list-style-type: none"> ◦ Replace the element. ◦ With power off, clean the element and surrounding area. |
| Burning smell. | <ul style="list-style-type: none"> ◦ Dust or foreign material on element. ◦ Overheating due to improper installation or ventilation. | <ul style="list-style-type: none"> ◦ Immediately turn off power. With power off, inspect and clean the element. ◦ Consult a qualified electrician to verify installation. |

If troubleshooting steps do not resolve the issue, contact a qualified service technician or Infratech customer support.

WARRANTY AND SUPPORT

For specific warranty information regarding your Infratech heating element, please refer to the warranty

documentation provided with your original Infratech heater or visit the official Infratech website. Heating elements are typically covered under a limited warranty against manufacturing defects.

For technical support, replacement parts, or service inquiries, please contact Infratech customer service:

- **Website:** www.infratech-usa.com
- **Phone:** Refer to the website for current contact numbers.

When contacting support, please have your heater model number (SL24 series) and the heating element model number (E2424SL) available.