

## Stelpro RWF0502W

# Stelpro pulsair RWF0502W Wall Fan Heater Instruction Manual

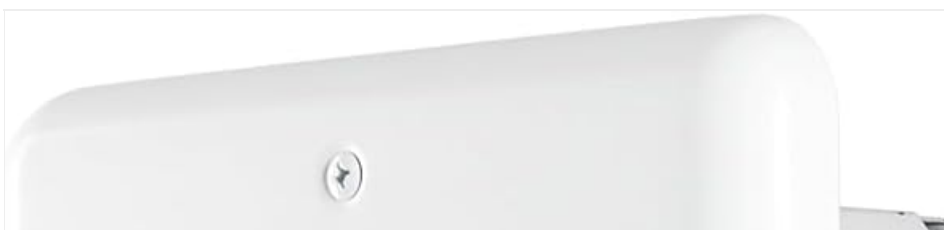
## IMPORTANT SAFETY INSTRUCTIONS

Read all instructions before installing or using this heater. Failure to follow these instructions may result in fire, electric shock, serious injury, or death.

- **Electrical Connection:** This heater operates on 240 Volts. All wiring must be performed by a qualified electrician and comply with national and local electrical codes.
- **Grounding:** This heater must be grounded.
- **Location:** Do not install the heater near flammable materials, in areas where gasoline, paint, or other flammable liquids are stored, or where explosive dust is present. Maintain minimum clearances from walls and other objects as specified in the installation section.
- **Supervision:** Close supervision is necessary when any heater is used by or near children or invalids, and whenever the heater is left operating and unattended.
- **Overheating:** To avoid overheating, do not cover the heater. Do not insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock or fire, or damage the heater.
- **Maintenance:** Disconnect power at the main service panel before performing any maintenance or cleaning.
- **Thermostat:** A separate thermostat is required for operation and is sold separately. Ensure the thermostat is compatible with a fan-forced heater.

## PRODUCT OVERVIEW

The Stelpro pulsair RWF0502W is a 240V wall-mounted fan heater designed for supplemental heating in various rooms such as bedrooms, home offices, and living rooms. It utilizes both convection and forced air heating methods to efficiently distribute warmth.





Front view of the Stelpro pulsair RWF0502W wall fan heater, showing the fan grille and lower air outlet.

**17 1/8"**  
**435 mm**





*Diagram showing the dimensions of the Stelpro pulsair RWF0502W wall fan heater: 17 1/8 inches (435 mm) height, 8 11/16 inches (220 mm) width, and 3 3/16 inches (80 mm) depth.*

## INSTALLATION

### Pre-Installation Checklist:

- Ensure power is disconnected at the main circuit breaker.
- Verify that the supply voltage matches the heater's rating (240V).
- Confirm you have a compatible wall thermostat (sold separately).
- Gather necessary tools: screwdriver, wire strippers, drill, level, measuring tape.

### Mounting Options:

The RWF0502W heater can be either surface-mounted directly to the wall or recessed into the wall for a flush finish. Ensure adequate clearance from floors, ceilings, and adjacent walls as per local codes and manufacturer recommendations.



*The Stelpro pulsair RWF0502W wall fan heater installed in a modern entryway, positioned below a plant and mirror.*



*The Stelpro pulsair RWF0502W wall fan heater installed on a blue wall in an entryway, with coats and shoes nearby.*

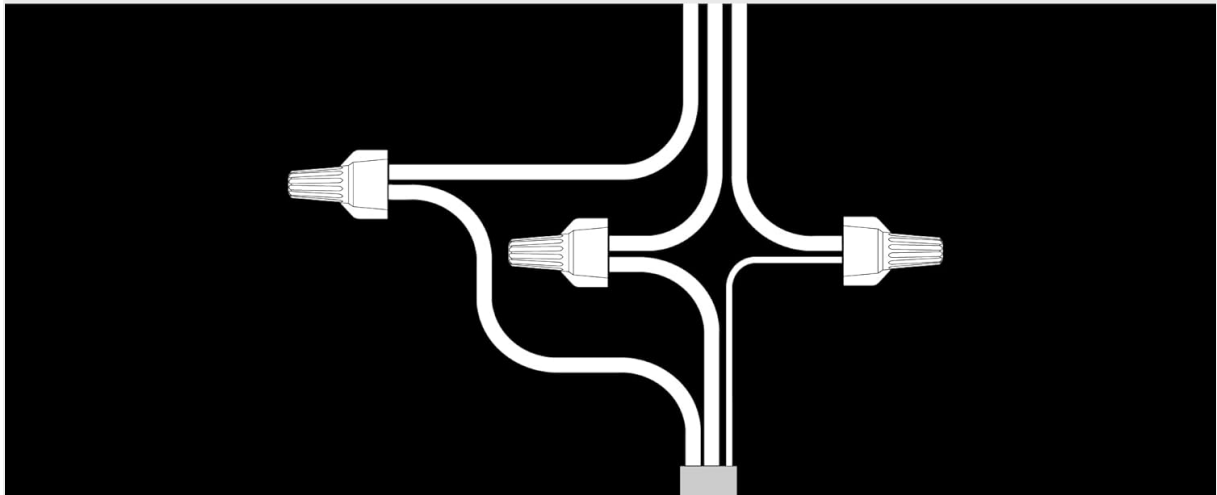
### **Electrical Connection:**

This heater requires a 240V hardwired connection. Follow the wiring diagram provided and ensure all connections are secure and properly insulated. Connect the heater to a dedicated circuit protected by the appropriate circuit breaker.

# 240 V



## HARDWIRED CONNECTION CONNEXION AVEC FILS DANS LA BOÎTE DE JONCTION



*Diagram illustrating the 240V hardwired connection for the Stelpro pulsair RWF0502W wall fan heater, showing wires connecting within a junction box.*

1. Turn off power at the main electrical panel.
2. Remove the front grille of the heater to access the wiring compartment.
3. Connect the supply wires to the heater's terminals according to the wiring diagram. Ensure proper grounding.
4. Secure all connections with wire nuts and ensure no bare wires are exposed.
5. Reattach the front grille.
6. Install the external wall thermostat according to its manufacturer's instructions.

### OPERATION

The Stelpro pulsair RWF0502W heater is controlled by an external wall thermostat (not included). Once installed and wired correctly, follow these steps:

1. **Power On:** Restore power to the heater circuit at the main electrical panel.
2. **Thermostat Setting:** Adjust the external thermostat to your desired temperature. The heater will activate when the room temperature falls below the set point.
3. **Initial Operation:** During the first few minutes of operation, the heater may emit a slight odor due to

the burning off of manufacturing residues. This is normal and will dissipate quickly.

4. **Temperature Range:** The heater is designed to operate within a temperature range of 5°C (41°F) to 30°C (86°F).

For optimal performance, avoid placing furniture or other obstructions directly in front of the heater's air outlets.

## MAINTENANCE

Regular maintenance ensures efficient and safe operation of your Stelpro pulsair heater. Always disconnect power at the main circuit breaker before performing any maintenance.

- **Cleaning:**
  - Wipe the exterior of the heater with a soft, damp cloth. Do not use abrasive cleaners or solvents.
  - Periodically vacuum the air intake and outlet grilles to remove dust and lint buildup.
- **Inspection:** Annually inspect the heater for any signs of damage, loose connections, or unusual wear. If any issues are found, contact a qualified electrician for repair.
- **No Lubrication:** The motor is permanently lubricated and requires no additional oiling.

## TROUBLESHOOTING

If your Stelpro pulsair heater is not operating correctly, consult the following table before contacting customer support.

Problem	Possible Cause	Solution
Heater does not turn on.	No power to the unit. Thermostat set too low. Circuit breaker tripped.	Check main electrical panel. Increase thermostat setting. Reset circuit breaker.
Heater produces insufficient heat.	Room size too large for heater. Airflow obstructed. Thermostat calibration issue.	Ensure heater is appropriately sized for the room. Clear obstructions from grilles. Consult thermostat manual or a qualified electrician.
Unusual noise during operation.	Loose components. Debris in fan.	Disconnect power and inspect for loose parts. Disconnect power and carefully remove any debris. If noise persists, contact support.
Heater cycles on and off too frequently.	Thermostat location or setting. Overheating protection activated.	Relocate thermostat away from drafts or direct heat sources. Adjust thermostat differential. Ensure grilles are clear and heater is not covered. Allow unit to cool.

## SPECIFICATIONS

Feature	Detail
Brand	Stelpro
Model Number	RWF0502W
Mounting Type	Wall Mount (Surface or Recessed)
Room Type	Bedroom, Home Office, Living Room
Voltage	240 Volts
Amperage	2.08 Amps
Heating Method	Convection, Forced Air
Min Temperature Setting	5 Degrees Celsius (41°F)
Max Temperature Setting	30 Degrees Celsius (86°F)
Item Weight	7 pounds
Package Dimensions	17.72 x 9.13 x 3.58 inches
UPC	626296002285

## WARRANTY







Stelpro products are manufactured to high standards and are covered by a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Stelpro website. Keep your proof of purchase for warranty claims.

## CUSTOMER SUPPORT

For technical assistance, replacement parts, or further inquiries, please contact Stelpro customer service. Contact information can typically be found on the product packaging, the official Stelpro website, or by referring to the documentation included with your purchase.

*Note: Always provide your product model number (RWF0502W) when contacting support.*

## Related Documents - RWF0502W

 <p><b>PULSAIR</b> WALL FAN HEATER</p> <p>THANK YOU FOR CHOOSING PULSAIR FOR YOUR HEATING REQUIREMENTS. PLEASE CONTACT US FOR ANY QUESTIONS OR SERVICE. WWW.STELPRO.COM 1-800-875-5769</p>	<p><a href="#">Stelpro Pulsair RWF Wall Fan Heater Owner's Manual and Installation Guide</a></p> <p>Comprehensive owner's manual and installation guide for the Stelpro Pulsair RWF wall fan heater, covering safety instructions, installation procedures, troubleshooting, and maintenance. Includes technical specifications and warranty information.</p>
 <p><b>STELPRO</b></p>	<p><a href="#">STELPRO ST252NP, ST302NP, ST402NP Non-Programmable Thermostat Owner's Manual and Installation Guide</a></p> <p>Comprehensive guide for installing and operating the STELPRO ST252NP, ST302NP, and ST402NP non-programmable electronic thermostats for baseboards and convectors. Includes technical specifications, features, and warranty information.</p>
 <p><b>ACW750, ACW1000</b> ARCHITECTURAL CABINET HEATERS</p> <p><b>FEATURES &amp; BENEFITS</b></p> <ul style="list-style-type: none"> <li>• QUIET OPERATION</li> <li>• EASY INSTALLATION</li> <li>• AVAILABLE ACCESSORIES</li> <li>• LOW MAINTENANCE</li> </ul> <p><b>STELPRO</b></p>	<p><a href="#">Stelpro ACW750 &amp; ACW1000 Architectural Cabinet Heaters: Specifications &amp; Features</a></p> <p>Explore the Stelpro ACW750 and ACW1000 architectural cabinet heaters. Designed for high-powered, quiet heating in commercial and public spaces. This document details features, technical specifications, available accessories, and installation drawings.</p>
 <p><b>STELPRO</b></p>	<p><a href="#">STELPRO ST402PFF Programmable Electronic Thermostat Owner's Manual</a></p> <p>Detailed owner's manual for the STELPRO ST402PFF programmable electronic thermostat, covering installation, programming, features, and technical specifications for baseboard, convector, and fan heaters.</p>
 <p><b>USER'S GUIDE</b> SWU SERIES INDUSTRIAL COMMERCIAL WASHDOWN ELECTRIC UNIT HEATER</p> <p><b>STELPRO</b></p>	<p><a href="#">Stelpro SWU Series Industrial/Commercial Washdown Electric Unit Heater User's Guide</a></p> <p>User's guide for the Stelpro SWU Series Industrial/Commercial Washdown Electric Unit Heater, covering installation, operation, and maintenance.</p>
 <p><b>X-PRO</b> EXPLOSION-PROOF UNIT HEATER</p> <p><b>STELPRO</b></p>	<p><a href="#">Stelpro SEU Explosion-Proof Unit Heater Owner's Manual</a></p> <p>Owner's manual for the Stelpro SEU series of explosion-proof unit heaters, covering installation, operation, maintenance, and safety information.</p>

