

Stelpro ASHC0502WCW

Stelpro Ultra-Quiet Wall Convector Heater ASHC0502WCW Instruction Manual

Model: ASHC0502WCW | 500W / 240V (375W / 208V)

1. INTRODUCTION

This manual provides essential information for the safe installation, operation, and maintenance of your Stelpro Ultra-Quiet Wall Convector Heater, model ASHC0502WCW. Please read these instructions thoroughly before installation and retain them for future reference. This heater is designed to provide supplemental heat for small indoor spaces.

2. SAFETY INFORMATION

WARNING: Risk of electric shock. Installation must be performed by a qualified electrician in accordance with all national and local electrical codes.

- This heater is designed for **hardwired connection only**. It is not a plug-in unit.
- This unit **does not include a built-in thermostat**. An external electronic wall thermostat (sold separately) is required for operation. Mechanical thermostats are not compatible.
- Ensure the power supply is disconnected at the circuit breaker before attempting any installation, maintenance, or wiring.
- Do not install the heater near flammable materials, curtains, or furniture. Maintain adequate clearance as specified in installation guidelines.
- Do not insert foreign objects into any ventilation or exhaust opening as this may cause electric shock, fire, or damage to the heater.
- This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces.
- Do not use this heater in wet or moist locations unless specifically rated for such environments.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Stelpro Wall Convector Heater Unit (ASHC0502WCW)
- Mounting Bracket
- Installation Hardware (screws, anchors)



Image 1: Front-angled view of the Stelpro Ultra-Quiet Wall Convactor Heater.

4. SPECIFICATIONS

Brand	Stelpro
Model Number	ASHC0502WCW

Power Output	500W (at 240V) / 375W (at 208V)
Voltage	240 Volts (also compatible with 208V)
Dimensions (D x W x H)	3.94"D x 17.31"W x 17.56"H (101mm D x 440mm W x 446mm H)
Heating Coverage	Up to 50 sq ft
Mounting Type	Wall Mount
Color	White
Weight	11.2 pounds

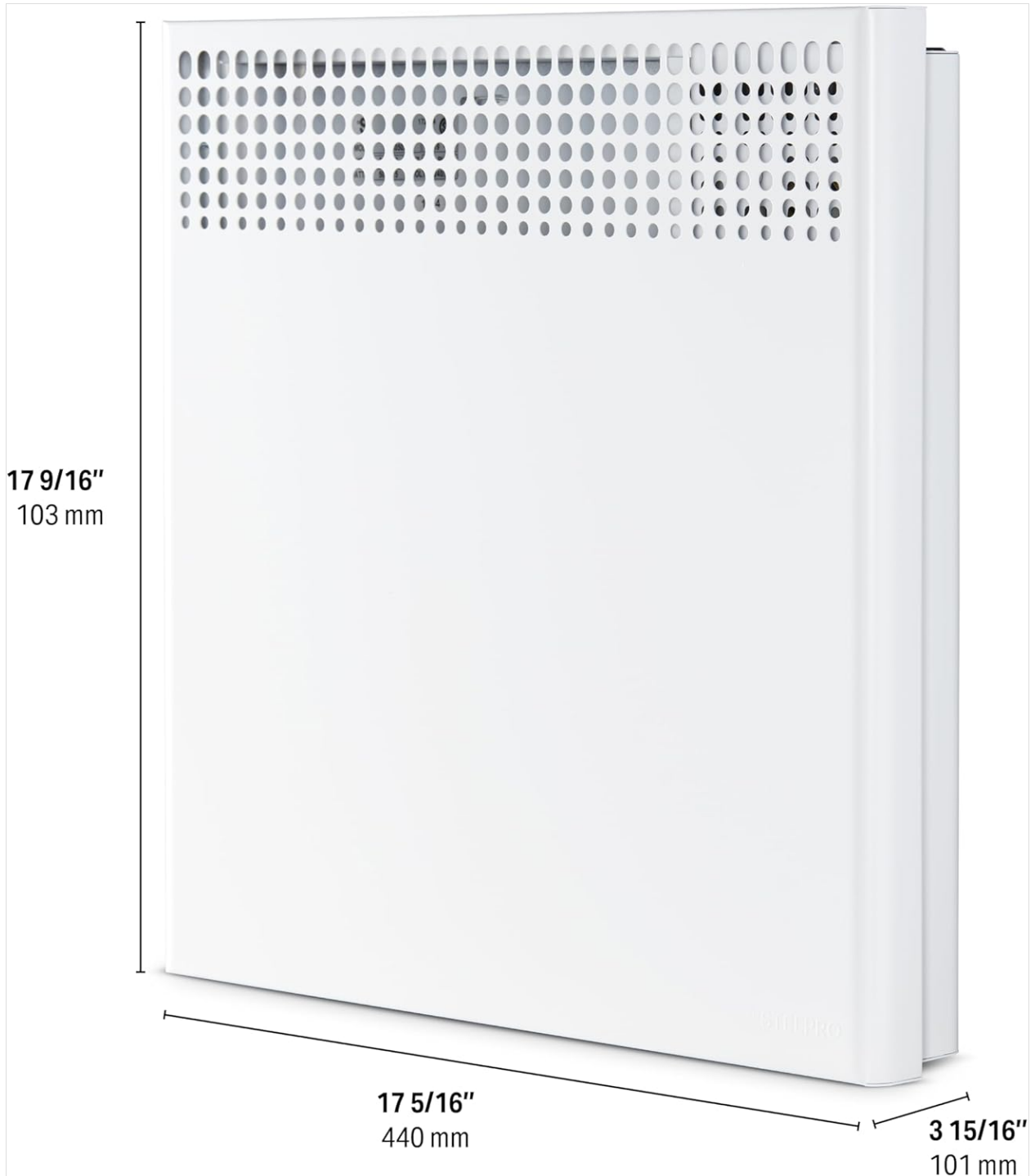


Image 2: Side view of the heater showing its compact dimensions: 17 9/16" H x 17 5/16" W x 3 15/16" D.

5. SETUP AND INSTALLATION

The Stelpro ASHC0502WCW heater is designed for surface-mount wall installation with a concealed bracket for a clean finish. It requires a 240V or 208V hardwired electrical connection and an external electronic wall thermostat.

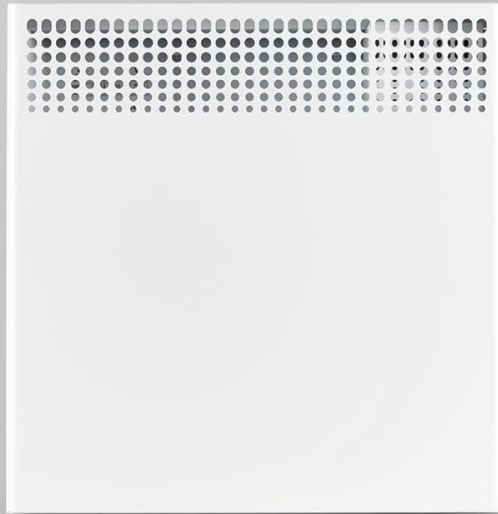
5.1 Pre-Installation Checklist

- Ensure the power supply is OFF at the main circuit breaker.
- Confirm you have an appropriate electronic wall thermostat (not included).
- Gather necessary tools: drill, screwdriver, wire strippers, level, measuring tape.
- Select a suitable wall location, ensuring proper clearances from floors, ceilings, and adjacent walls as per local codes and the heater's specifications.

5.2 Mounting the Heater

1. Carefully remove the heater from its packaging.
2. Detach the mounting bracket from the back of the heater.
3. Position the mounting bracket on the wall at the desired height, ensuring it is level. Mark the screw hole locations.
4. Drill pilot holes if necessary and secure the mounting bracket to the wall using the provided hardware. Ensure it is firmly attached.
5. The heater features a back entry plate with cable clamps for wiring.

CONCEALED MOUNTING BRACKET



**500
WATTS**

**5
YEAR**

WARRANTY*

**TOTALLY
QUIET**

*Three years on electronic components

Image 3: Illustration of the concealed mounting bracket system for secure and discreet installation.

5.3 Electrical Connection

IMPORTANT: All wiring must comply with the National Electrical Code (NEC) and local codes. Consult a qualified electrician if you are unsure about any part of the wiring process.

1. Route the 240V or 208V electrical supply wires to the heater's junction box located at the back entry plate.
2. Connect the heater's wires to the supply wires according to the wiring diagram provided in the full installation guide (refer to the diagram on the heater or in the included manual). Typically, this involves connecting the two hot wires and the ground wire.
3. Secure all connections with appropriate wire connectors.
4. Ensure all wiring is neatly tucked into the junction box and the cover is securely fastened.

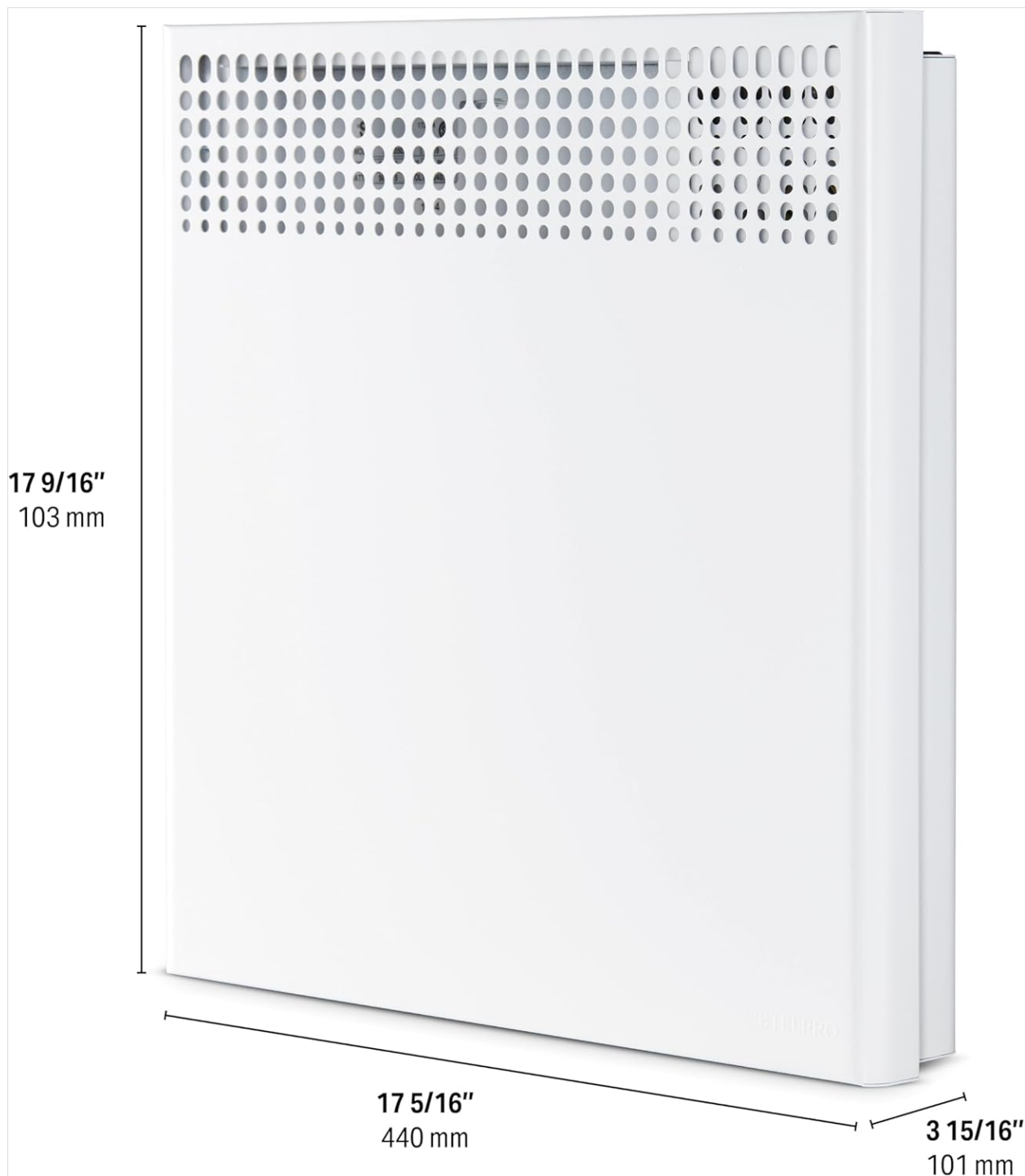


Image 4: Visual representation of the 240V hardwired connection required for the heater.

5.4 Finalizing Installation

1. Carefully hang the heater unit onto the mounted bracket, ensuring it clicks securely into place.
2. Install your electronic wall thermostat according to its specific instructions.
3. Once the heater and thermostat are fully installed and all connections are secure, restore power at the circuit breaker.



Image 5: The Stelpro convector heater seamlessly installed on a wall in a home office environment.

6. OPERATING INSTRUCTIONS

Since the Stelpro ASHC0502WCW heater does not have a built-in thermostat, its operation is entirely controlled by the external electronic wall thermostat you have installed.

1. **Power On:** After installation, ensure the circuit breaker supplying power to the heater is in the 'ON' position.
2. **Thermostat Control:** Adjust the desired temperature setting on your electronic wall thermostat. The heater will activate when the room temperature falls below the set point and deactivate when it reaches the set point.
3. **Quiet Operation:** This convector heater operates silently, providing natural convection heat without a fan.

7. MAINTENANCE

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

- **Cleaning:** Periodically wipe the exterior of the heater with a soft, damp cloth. Do not use abrasive cleaners, solvents, or spray directly onto the heater.
- **Dust Removal:** Use a vacuum cleaner with a brush attachment to remove dust from the air intake and discharge grilles. Ensure these areas remain clear for proper airflow.
- **Inspection:** Annually inspect the heater for any signs of damage, loose connections, or unusual wear. If any issues are found, contact a qualified electrician or Stelpro support.

8. TROUBLESHOOTING

If your heater is not functioning as expected, consult the following common issues before contacting support.

Problem	Possible Cause	Solution
Heater does not turn on.	No power to the unit. Thermostat set too low or off. Loose wiring connection.	Check circuit breaker. Ensure thermostat is set above room temperature and is functioning. Verify wiring connections (power off first).
Heater produces insufficient heat.	Heater size inadequate for room. Airflow obstruction. Thermostat malfunction.	Ensure heater coverage (50 sq ft) matches room size. Clear any obstructions from intake/discharge grilles. Test or replace thermostat.
Unusual odors or sounds.	New unit burn-off (initial use). Dust accumulation. Internal component issue.	Initial odors are normal and will dissipate. Clean heater as per maintenance section. If persistent or severe, disconnect power and contact support.

If troubleshooting steps do not resolve the issue, please contact Stelpro customer support or a qualified electrician.

9. WARRANTY AND SUPPORT

Your Stelpro Ultra-Quiet Wall Convector Heater ASHC0502WCW is backed by a comprehensive warranty:

- **5-year limited warranty** on the overall unit.
- **Lifetime warranty** on the heating element.
- **3 years warranty** on electronic components.

For warranty claims, technical assistance, or further support, please visit the official Stelpro website or contact their customer service department. Keep your proof of purchase for warranty validation.

Stelpro Website: www.stelpro.com

	<p>Stelpro ASKS Series Kick Space Heater Installation Guide</p> <p>Installation, operation, and maintenance guide for the Stelpro ASKS Series Kick Space Heater. Includes technical specifications, troubleshooting, and warranty information.</p>
	<p>Stelpro ASKS Series Kick Space Heater Installation Guide and Specifications</p> <p>Official installation guide for the Stelpro ASKS Series Kick Space Heater, including technical specifications, safety warnings, maintenance procedures, troubleshooting tips, and limited warranty information.</p>
	<p>STELPRO ST252NP, ST302NP, ST402NP Non-Programmable Thermostat Owner's Manual and Installation Guide</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>UNIWATT UHC Convector Heater: Owner's Manual and Installation Guide</p> <p>Official owner's manual and installation guide for the UNIWATT UHC convector heater series by STELPRO. Provides detailed instructions on safe installation, operation, temperature control, maintenance, troubleshooting common issues, and understanding the limited warranty. Includes model numbers UHC...WCW, UHC...W, UHC...PW, and UHC1501PW.</p>
	<p>Stelpro SILVC1560 Series Electronic Bathroom Convector User's Guide and Installation Instructions</p> <p>Comprehensive user's guide and installation manual for the Stelpro SILVC1560 Series Electronic Bathroom Convector, detailing features, safety warnings, installation methods (surface and recessed), operation, maintenance, troubleshooting, and warranty information.</p>
	<p>STELPRO ST402PFF Programmable Electronic Thermostat Owner's Manual</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>