

KING K902-W

KING K902-W Hoot WiFi Smart Programmable Thermostat User Manual

Model: K902-W | Brand: KING

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your KING K902-W Hoot WiFi Smart Programmable Thermostat. This device is designed to control line voltage electric heating systems, offering advanced programming capabilities and remote control via the Hoot smartphone application. Please read this manual thoroughly before installation and use to ensure proper function and safety.



Image: Front view of the KING K902-W Hoot WiFi Smart Programmable Thermostat, displaying current temperature and schedule.

2. SAFETY INFORMATION

WARNING: Electrical shock hazard. Installation must be performed by a qualified electrician in accordance with all local and national electrical codes. Failure to follow these instructions could result in serious injury or death.

- Always disconnect power at the main service panel before installing or servicing the thermostat.
- This thermostat is designed for line voltage electric heating systems only (120/208/240V). Do not use

with low voltage systems (e.g., gas furnaces, oil furnaces, central air conditioners).

- Ensure all wiring connections are secure and properly insulated.
- Do not operate the thermostat with a damaged casing or if it has been exposed to water.
- Keep the thermostat away from direct sunlight, heat sources, and drafts for accurate temperature sensing.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- KING K902-W Hoot WiFi Smart Programmable Thermostat
- Mounting Screws
- User Manual (this document)

4. INSTALLATION

4.1 Wiring (Double Pole, 4-Wire)

The K902-W thermostat is designed for double pole, 4-wire line voltage installations (120/208/240V). It is crucial to follow the wiring diagram provided and adhere to all local electrical codes. If you are unsure about any part of the installation, consult a qualified electrician.

1. **Disconnect Power:** Turn off power to the heating circuit at the main service panel before beginning.
2. **Remove Old Thermostat:** Carefully remove your existing thermostat. Note the wiring connections.
3. **Connect Wires:** Connect the four wires from your heating system to the corresponding terminals on the K902-W thermostat. Typically, two wires are for the incoming line voltage and two wires go to the heater load. Refer to the diagram below for specific terminal identification.
4. **Secure Connections:** Ensure all wire connections are tight and secure.



Image: Rear view of the KING K902-W thermostat, illustrating the wiring terminals for double pole, 4-wire connection.

4.2 Mounting

After wiring, carefully mount the thermostat to the wall electrical box using the provided screws. Ensure the thermostat is level and securely fastened. Do not overtighten the screws.

5. INITIAL SETUP AND WI-FI CONNECTION

Once installed and power is restored, the thermostat will power on. Follow the on-screen prompts for initial setup, including date, time, and temperature unit selection.



Image: Close-up of the KING K902-W thermostat's LCD touchscreen, displaying initial setup options.

5.1 Hoot Smart Phone App

To utilize the smart features and remote control, download the Hoot Smart Phone App from your device's app store. The app is compatible with both iOS and Android devices.

1. **Download App:** Search for "Hoot Smart" in the Apple App Store or Google Play Store.
2. **Create Account:** Open the app and follow the instructions to create a new user account.
3. **Pair Thermostat:** In the app, select to add a new device. Follow the on-screen instructions on both the app and the thermostat to connect to your home Wi-Fi network. **Note:** The thermostat supports 2.4GHz Wi-Fi networks only.



Image: A smartphone screen showing the Hoot application interface, used for remote control and programming of the thermostat.

6. OPERATING INSTRUCTIONS

6.1 Touchscreen Interface

The thermostat features a large LCD touchscreen for direct control. The main screen displays the current temperature, set temperature, operating mode, and Wi-Fi status. Use the up/down arrows to adjust the set temperature. The power icon turns the heating system on or off. The hand icon activates a temporary hold.

6.2 Programming Schedules

The K902-W allows for programmable schedules with 4 or 6 time periods per day. This feature helps optimize energy usage by adjusting temperatures automatically based on your daily routine. Schedules can be set directly on the thermostat or more conveniently through the Hoot app.

1. Access the 'Schedule' or 'Program' menu on the thermostat or within the Hoot app.
2. Define desired temperatures for each time period (e.g., Wake, Away, Home, Sleep).
3. Apply the schedule to specific days of the week or all days.

6.3 Temperature Control

You can manually adjust the temperature at any time. This adjustment will typically override the current schedule until the next scheduled period begins. To maintain a specific temperature indefinitely, use the 'Hold' function. The thermostat also features a user-defined maximum temperature lock to prevent settings from exceeding a certain limit.

7. MAINTENANCE

The KING K902-W thermostat requires minimal maintenance.

- **Cleaning:** Wipe the screen and casing with a soft, damp cloth. Do not use abrasive cleaners or solvents.

- **Firmware Updates:** The thermostat supports Over-The-Air (OTA) firmware updates. Ensure your thermostat is connected to Wi-Fi to receive automatic updates that improve performance and add new features.

8. TROUBLESHOOTING

Refer to the table below for common issues and their solutions.

Issue	Possible Cause	Solution
Thermostat not powering on	No power from circuit breaker; incorrect wiring.	Check circuit breaker and ensure it is ON. Verify wiring connections are correct and secure. Consult an electrician if necessary.
Wi-Fi connection issues	Incorrect Wi-Fi password; 5GHz network selected; weak signal; router issues.	Ensure correct 2.4GHz Wi-Fi network and password. Move thermostat closer to router or consider a Wi-Fi extender. Restart your router.
Thermostat screen frozen/unresponsive	Temporary software glitch.	Turn off power to the thermostat at the circuit breaker for 30 seconds, then restore power.
Heater not shutting off or running continuously	Faulty thermostat; wiring error; thermostat placed in a cold draft.	Verify thermostat settings and schedule. Check wiring for shorts. Ensure thermostat is not in a cold draft. If issue persists, contact support.
Inaccurate temperature readings	Thermostat exposed to direct sunlight, heat source, or cold draft.	Relocate thermostat if possible, or shield it from environmental factors affecting its sensor.

9. SPECIFICATIONS

Feature	Detail
Model Number	K902-W
Voltage	120/208/240 Volts
Wiring Configuration	Double Pole, 4-Wire
Wattage	3840 watts (max)
Temperature Range	41° - 90°F (5° - 32°C)
Temperature Control Accuracy	±1°F
Connectivity	Wi-Fi (2.4GHz only)
Display Type	Large LCD Touchscreen
Control Method	Touch, Smartphone App
Mounting Type	Wall Mount

Feature	Detail
Product Dimensions	2 x 4 x 4 inches
Item Weight	11.4 ounces
UPC	093319335109




10. WARRANTY AND SUPPORT




KING products are manufactured to high-quality standards. This thermostat is covered by the manufacturer's limited warranty. For specific warranty terms and conditions, please refer to the documentation included with your purchase or visit the official KING website. For technical support, troubleshooting assistance, or warranty claims, please contact KING customer service.

Contact Information: Please refer to the official KING website or your product packaging for the most current customer support contact details.

You can also visit the [KING Store on Amazon](#) for more product information.

Related Documents - K902-W

	<p>King PSH2440TB Portable Shop Heater: Installation, Operation, and Safety Manual</p> <p>This comprehensive manual provides essential information for the King PSH2440TB Portable Shop Heater, including installation, safety guidelines, operating instructions, maintenance tips, and troubleshooting solutions. Designed for garage and workshop use, it features 3750W power and 240V operation.</p>
	<p>King W Series Electric Space Heater: Installation, Operation, and Maintenance Guide</p> <p>Comprehensive guide for King W Series electric space heaters, covering installation, wiring, operation, safety warnings, troubleshooting, maintenance, and warranty information.</p>
	<p>King W Series Wall Heater Installation and Maintenance Guide</p> <p>Comprehensive installation, maintenance, operating, and troubleshooting guide for the King W Series Wall Heater. Includes safety instructions, wiring diagrams, location selection, and troubleshooting tips.</p>

	<p>King KRF-B-KIT Wireless 24V RF Multi-System Thermostat Kit - Submittal and Specifications</p> <p>Product details for the King KRF-B-KIT Wireless 24V RF Multi-System Thermostat Kit, including submittal sheet fields, system diagram, engineering specifications, ordering information, and optional accessories. Features backup line voltage electric heat control.</p>
	<p>King LPW-ECO Series Heater Installation and Maintenance Guide</p> <p>Comprehensive guide for installing, operating, and maintaining King LPW-ECO series electronic heaters, including safety instructions, wiring diagrams, remote sensor setup, and troubleshooting.</p>
	<p>King HW-FS, HWP-FS, HWPT-FS 120V Series Thermostat Installation, Wiring, and Programming Guide</p> <p>Comprehensive guide for King Electric's HW-FS, HWP-FS, and HWPT-FS 120V series thermostats. Covers general information, safety, specifications, wiring instructions, programming for HWP/HWPT models, installation, and maintenance. Includes details on temperature control for residential and commercial heating systems.</p>

Documents - KING – K902-W



[\[pdf\]](#) Warranty

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New Product Release NOW AVAILABLE IN WHITE Available in White or Black Enabled Programmable The ... I Outlet Box ETL Certified For USA Canada To UL and CSA Standards Models K901-B / K901-W K902-B / **K902-W** WARRANTY 1-Year Limited Warranty New Product Release With Hoot, Each Thermostat Can Have Its...
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[\[pdf\]](#) User Manual Catalog

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[pdf] Specifications

HOOT WIFI Specification Sheet King Electric Hoot Wi Fi Thermostat Programmable Single Pole 120V
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