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> [King Electric TKIT-2B Double Pole Built-in Thermostat Kit Instruction Manual](#)

## KING TKIT-2B

# King Electric TKIT-2B Double Pole Built-in Thermostat Kit

Instruction Manual

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## 1. OVERVIEW

This manual provides instructions for the installation, operation, and maintenance of the King Electric TKIT-2B Double Pole Built-in Thermostat Kit. This kit is designed for use with specific King Electric electric heater models, including PX, KT, KTW, PAW, W, and WHF. It functions as a snap-action, single-pole or double-pole integrated thermostat.

## 2. IMPORTANT SAFETY INFORMATION

**WARNING: Risk of Electric Shock. Disconnect power before installation or servicing.**

- Installation must be performed by a qualified electrician in accordance with all local and national electrical codes.
- Ensure the power supply to the heater is completely disconnected at the circuit breaker before beginning any work.
- Verify that the voltage and current ratings of the thermostat are compatible with your heater model.
- Do not operate the heater without the thermostat cover properly installed.
- Keep children away from electrical components.

## 3. PACKAGE CONTENTS

Carefully unpack the kit and ensure all items are present and undamaged. If any parts are missing or damaged, contact your retailer immediately.

- TKIT-2B Thermostat Module
- Mounting Hardware (screws, nuts, etc., as applicable)

- Instruction Manual (this document)

## 4. INSTALLATION INSTRUCTIONS

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This thermostat kit is designed for field installation or replacement in compatible King Electric heaters. Refer to your specific heater's manual for detailed access instructions.

1. **Disconnect Power:** Ensure the main power supply to the heater is turned OFF at the circuit breaker before proceeding. Verify with a voltage tester.
2. **Access Heater Compartment:** Remove the front cover or access panel of your King Electric heater to expose the wiring compartment where the thermostat will be installed. (Refer to your heater's specific manual for cover removal.)
3. **Identify Wiring:** Locate the designated thermostat wiring connections within the heater. The TKIT-2B is a double-pole thermostat, meaning it interrupts both hot legs of a 240V circuit.
4. **Mount Thermostat:** Secure the TKIT-2B thermostat module into the designated mounting location within the heater's control compartment using the provided hardware. Ensure it is firmly seated.
5. **Wire Connections:**
  - Connect the incoming power wires to the appropriate terminals on the thermostat.
  - Connect the heater element wires to the corresponding output terminals on the thermostat.
  - Ensure all connections are tight and secure. Follow the wiring diagram provided with your heater or the thermostat kit if available.
6. **Replace Cover:** Carefully replace the heater's front cover or access panel, ensuring no wires are pinched.
7. **Restore Power:** Turn the main power supply back ON at the circuit breaker.
8. **Test Operation:** Proceed to the "Operation" section to test the thermostat's functionality.

*Note: For single-pole applications, consult a qualified electrician or the heater's specific wiring diagram for proper connection.*

## 5. OPERATING INSTRUCTIONS

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The TKIT-2B is a mechanical, non-programmable thermostat designed for simple temperature control.

1. **Adjusting Temperature:** Rotate the thermostat knob (if exposed on the heater's exterior) clockwise to increase the desired temperature setting, and counter-clockwise to decrease it.
2. **Heating Cycle:** When the ambient room temperature falls below the set temperature, the thermostat will activate the heater. When the room temperature reaches the set point, the thermostat will turn off the heater.
3. **OFF Position:** Some heater models may have an "OFF" position integrated with the thermostat knob. Turning the knob fully counter-clockwise will typically turn off the heater.

*Note: Allow some time for the room temperature to stabilize after making adjustments.*

## 6. MAINTENANCE

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The King Electric TKIT-2B thermostat requires minimal maintenance.

- **Cleaning:** Periodically, gently wipe the exterior of the thermostat knob and surrounding area with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Annually, or if you suspect an issue, have a qualified electrician inspect the wiring connections for tightness and signs of wear. Ensure the thermostat is free from dust buildup.
- **No User-Serviceable Parts:** The internal components of the thermostat are not user-serviceable. Do not attempt to open or repair the thermostat module.

## 7. TROUBLESHOOTING

If your heater is not operating as expected after installing the TKIT-2B thermostat, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Heater does not turn on.	No power to heater. Thermostat set too low. Loose wiring connection.	Check circuit breaker. Increase thermostat setting. <i>(WARNING: Disconnect power)</i> Check wiring connections.
Heater runs continuously.	Thermostat set too high. Thermostat malfunction.	Decrease thermostat setting. If problem persists, contact a qualified electrician for inspection or replacement.
Inaccurate temperature control.	Thermostat sensor obstructed. Drafts near heater/thermostat.	Ensure nothing is blocking the thermostat's sensing area. Seal drafts if possible.

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

## 8. SPECIFICATIONS

- **Model:** TKIT-2B
- **Type:** Double Pole Built-in Thermostat Kit
- **Compatibility:** King Electric heater models PX, KT, KTW, PAW, W, WHF
- **Control Type:** Button Control
- **Connectivity Protocol:** Wi-Fi

**Note:** While product specifications list Wi-Fi connectivity, the TKIT-2B is a mechanical, non-programmable thermostat. Please refer to your heater's specific features for smart connectivity options.

- **Backlight:** No
- **UPC:** 093319173473

## 9. WARRANTY & SUPPORT

For warranty information, please refer to the documentation included with your King Electric heater or visit

the official King Electric website. Keep your purchase receipt as proof of purchase.

For technical support or assistance, please contact King Electric customer service. Contact details can typically be found on the manufacturer's website or in your heater's manual.

**King Electric Website:** [www.king-electric.com](http://www.king-electric.com)