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› [ClimaTek](#) /

› ClimaTek Range Infinite Switch Kit User Manual

ClimaTek INF-120-8

ClimaTek Range Infinite Switch Kit User Manual

Model: INF-120-8

Brand: ClimaTek

1. PRODUCT OVERVIEW

The ClimaTek INF-120-8 Range Infinite Switch Kit is a high-quality replacement component designed for various range and stove models, including those from ROBERTSHAW. This kit provides precise control over heating elements, ensuring optimal cooking performance.

Key Features:

- Direct replacement for Part # INF-120-8.
- Top-quality construction for durability and longevity.
- No electrical modifications or adapters needed for installation.
- Compatible with ROBERTSHAW and other range brands.



Figure 1: ClimaTek Range Infinite Switch Kit. The image displays the complete kit, including the main infinite switch unit, mounting hardware (screws, nut, bracket), and various plastic adapter shafts for different knob types.

2. SAFETY INFORMATION

Before attempting any installation or maintenance, please read and understand all safety precautions. Failure to follow these instructions may result in electric shock, fire, or personal injury.

- **ALWAYS disconnect power** to the appliance at the circuit breaker or fuse box before beginning any work.
- Wear appropriate personal protective equipment (PPE), such as gloves and safety glasses.
- If you are unsure about any step, consult a qualified appliance technician.
- Ensure all connections are secure and properly insulated after installation.
- Keep children and pets away from the work area.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon opening the package:

- 1 x ClimaTek Range Infinite Switch (INF-120-8)
- Mounting hardware (screws, nut, bracket)
- Assorted plastic adapter shafts for various knob types

Note: The exact number and type of adapter shafts may vary slightly.

4. SETUP AND INSTALLATION

This section provides general guidance for replacing a range infinite switch. Specific steps may vary depending on your appliance model. Always refer to your appliance's service manual for detailed instructions.

1. **Disconnect Power:** Turn off the power to the range at the main circuit breaker or unplug the appliance from the wall outlet. Verify power is off using a voltage tester.
2. **Access the Switch:** Depending on your range model, you may need to remove the back panel, control panel, or cooktop to access the infinite switch.
3. **Document Wiring:** Before disconnecting any wires, take a clear photograph or draw a diagram of the existing wiring connections to the old switch. This is crucial for correct reinstallation.
4. **Remove Old Switch:** Carefully disconnect all wires from the old infinite switch. Note the position of each wire. Remove any mounting screws or clips securing the old switch.
5. **Install New Switch:** Mount the new ClimaTek infinite switch in the same location as the old one, using the provided mounting hardware.
6. **Connect Wiring:** Refer to your diagram or photograph and connect the wires to the new switch exactly as they were on the old switch. Ensure all terminals are clean and connections are secure.
7. **Select Adapter Shaft:** Choose the appropriate plastic adapter shaft from the kit that matches your range's control knob. Slide it onto the switch shaft.
8. **Reassemble Appliance:** Carefully reassemble the control panel, cooktop, or back panel.
9. **Restore Power:** Turn the power back on at the circuit breaker or plug the appliance back in.
10. **Test Functionality:** Test the new infinite switch by turning on the corresponding heating element at various settings to ensure proper operation.

5. OPERATING INSTRUCTIONS

The ClimaTek Range Infinite Switch controls the heat output of your range's surface heating elements. Its operation is integrated with your appliance's control knob.

- Turn the corresponding control knob to the desired heat setting (e.g., Low, Medium, High).
- The infinite switch modulates the power supplied to the heating element, allowing for a continuous range of heat settings rather than just discrete on/off or fixed levels.
- Turn the knob to the "Off" position to deactivate the heating element.

Note: Always ensure the heating element is cool before touching or cleaning.

6. MAINTENANCE

The ClimaTek infinite switch is designed for long-term reliability and typically requires minimal maintenance. However, periodic checks can help ensure optimal performance:

- **Power Disconnection:** Always disconnect power to the appliance before performing any checks or maintenance.
- **Visual Inspection:** Periodically inspect the switch and its wiring connections for any signs of wear, corrosion, or loose terminals.
- **Cleaning:** If accessible, gently clean any dust or debris from around the switch using a soft, dry cloth or a small brush. Do not use liquid cleaners directly on electrical components.
- **Knob Fit:** Ensure the control knob fits securely onto the adapter shaft and operates smoothly.

7. TROUBLESHOOTING

If you experience issues with your range's heating elements after installing the new infinite switch, consider the following:

Problem	Possible Cause	Solution
Heating element does not turn on.	No power to appliance; Loose wiring connection; Faulty heating element; Incorrect switch installation.	Check circuit breaker/fuse. Verify all wiring connections are secure. Test heating element for continuity. Re-check installation steps.
Heating element stays on or does not turn off.	Faulty infinite switch (rare for new part); Wiring short.	Disconnect power immediately. Re-check wiring for shorts. If problem persists, the switch may be faulty (contact support).
Heating element does not heat properly (too low/high).	Incorrect switch type for element; Loose connection; Faulty element.	Ensure the switch is the correct replacement part. Check wiring. Test heating element.

If troubleshooting steps do not resolve the issue, it is recommended to consult a qualified appliance repair technician.

8. SPECIFICATIONS

Attribute	Detail
Model Number	INF-120-8
Brand	ClimaTek
Product Dimensions	2 x 4 x 2 inches
Item Weight	3 ounces
Manufacturer	ClimaTek
Unit Count	1.0 Count
Number of Items	1

9. WARRANTY AND SUPPORT

ClimaTek products are manufactured to high-quality standards. For specific warranty information regarding your ClimaTek Range Infinite Switch Kit, please refer to the documentation included with your purchase or visit the official ClimaTek website.

For technical support or inquiries, please contact ClimaTek customer service. You can often find contact information on the product packaging or through the retailer where the item was purchased.

Note: Always provide your product model number (INF-120-8) when contacting support.

[Visit the ClimaTek Store on Amazon](#)

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