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> ClimaTek 01-0842 Furnace Heat Sequencer Relay Instruction Manual

ClimaTek 01-0842

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Instruction Manual

Model: 01-0842 | Brand: ClimaTek

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your ClimaTek 01-0842 Furnace Heat Sequencer Relay. This upgraded sequencer relay is designed to directly replace part #01-0842 and is compatible with Intertherm furnaces and similar systems. Please read this manual thoroughly before installation and use to ensure proper function and safety.

SAFETY INFORMATION

WARNING: Electrical Shock Hazard

- Always disconnect power to the furnace or HVAC system before installing, servicing, or removing the sequencer relay. Failure to do so can result in serious injury or death.
- Installation should only be performed by a qualified technician.
- Ensure all wiring connections are secure and comply with local electrical codes.
- Do not operate the furnace if the sequencer relay is damaged or improperly installed.

PRODUCT OVERVIEW

The ClimaTek 01-0842 is an upgraded heat sequencer relay designed for furnace applications. It controls the timing of heating elements and blower motor operation, ensuring efficient and safe furnace cycling.

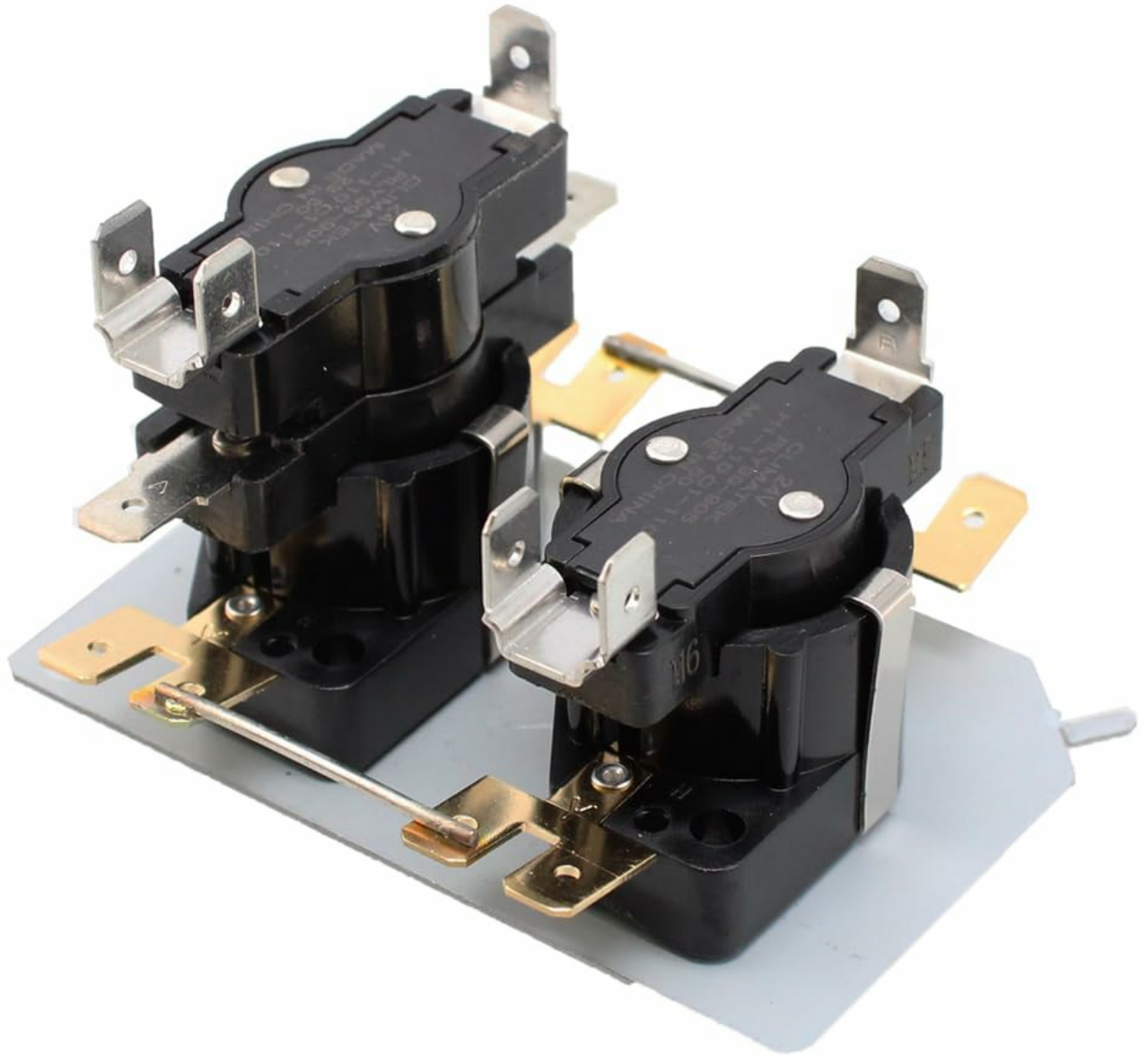


Image: The ClimaTek 01-0842 Furnace Heat Sequencer Relay. This image shows the two-stage sequencer with multiple quick-connect terminals mounted on a metal bracket, ready for installation.

Key Features:

- Direct replacement for part #01-0842.
- Designed for 15/17 KW furnaces.
- High-quality construction for durability.
- Ensures proper sequencing of heating elements and blower.

INSTALLATION INSTRUCTIONS

1. **Safety First:** Before beginning, ensure the main power supply to the furnace is completely disconnected at the circuit breaker or fuse box. Verify power is off using a voltage tester.
2. **Locate Existing Sequencer:** Open the furnace access panel and locate the existing heat sequencer relay. Note its position and how it is mounted.

3. **Document Wiring:** Carefully label each wire connected to the old sequencer before disconnecting them. Taking a photograph of the wiring configuration is highly recommended.
4. **Remove Old Sequencer:** Disconnect all wires and unmount the old sequencer relay from its bracket or mounting screws.
5. **Install New Sequencer:** Mount the new ClimaTek 01-0842 sequencer relay in the same location and orientation as the old one. Ensure it is securely fastened.
6. **Connect Wiring:** Reconnect the labeled wires to the corresponding terminals on the new sequencer. Refer to your documented wiring configuration. Double-check all connections for tightness and accuracy.
7. **Secure Access Panel:** Close and secure the furnace access panel.
8. **Restore Power:** Restore power to the furnace at the circuit breaker or fuse box.
9. **Test Operation:** Initiate a heating cycle to verify the proper operation of the furnace and the new sequencer. Observe the heating elements and blower motor engaging in the correct sequence.

OPERATING PRINCIPLES

The heat sequencer relay operates automatically as part of your furnace's control system. It is not a user-adjustable component. Its primary function is to ensure that the heating elements are energized in stages and that the blower motor starts and stops at the appropriate times during a heating cycle.

When the thermostat calls for heat:

1. The sequencer receives a signal and, after a short delay, energizes the first stage of heating elements.
2. After another timed delay, the sequencer energizes the second stage of heating elements (if applicable) and activates the blower motor to distribute the heated air.
3. When the thermostat is satisfied and stops calling for heat, the sequencer de-energizes the heating elements.
4. The blower motor continues to run for a short period (fan off delay) to dissipate residual heat from the elements before shutting off.

Note: The specific timing delays are factory-set within the sequencer and are not user-configurable.

MAINTENANCE

The ClimaTek 01-0842 Heat Sequencer Relay is a sealed component and requires no routine maintenance. However, regular inspection of your furnace system is recommended.

- **Annual Inspection:** Have your furnace system inspected annually by a qualified HVAC technician. They can check the sequencer's operation and overall system health.
- **Visual Check:** During any furnace maintenance, visually inspect the sequencer for signs of overheating (discoloration), loose connections, or physical damage.
- **Cleanliness:** Ensure the area around the sequencer is free from dust and debris, which can impede airflow and lead to overheating.

TROUBLESHOOTING

If your furnace is not operating correctly, the sequencer relay may be a contributing factor. Always ensure power is disconnected before inspecting components.

Symptom	Possible Cause	Solution
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Symptom	Possible Cause	Solution
Blower motor runs continuously.	Stuck sequencer contacts (closed).	Replace sequencer relay.
Blower motor does not turn on.	Faulty sequencer contacts (open) or wiring issue.	Check wiring. If connections are secure, replace sequencer relay.
Heating elements do not energize.	Faulty sequencer contacts or element failure.	Test heating elements. If elements are good, replace sequencer relay.
Furnace cycles on and off rapidly (short cycling).	Incorrect sequencer timing or other furnace issues.	Consult a qualified HVAC technician.

Disclaimer: Troubleshooting electrical components can be dangerous. If you are unsure about any step, please contact a certified HVAC professional.

SPECIFICATIONS

- Model:** 01-0842
- Brand:** ClimaTek
- Compatibility:** 15/17 KW Furnaces, Intertherm, and similar systems
- Operation Mode:** Automatic
- Contact Type:** Normally Open
- Connector Type:** Crimp / Quick-connect
- Circuit Type:** Multiple-way
- Actuator Type:** Rotary
- Contact Material:** Copper
- Number of Positions:** 1
- Product Dimensions:** 5 x 9 x 1 inches
- Item Weight:** 5 ounces

WARRANTY AND SUPPORT

For specific warranty information regarding your ClimaTek 01-0842 Furnace Heat Sequencer Relay, please refer to the product packaging or contact ClimaTek customer support directly. As a replacement part, warranty terms may vary. For technical assistance or further inquiries, please visit the official ClimaTek website or contact their customer service department. Always provide your product model number (01-0842) when seeking support.

Note: This product is from a small business brand. Support small businesses.

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