

Installation Instructions

NOTE: Read the entire instruction before beginning the installation.

INTRODUCTION

The Time-Delay Relay permits the indoor fan to briefly continue to operate and provide additional cooling after the compressor cycles off.

SAFETY CONSIDERATIONS

Installing and servicing air conditioning equipment can be hazardous due to system pressure and electrical components. Only trained personnel should install or service air conditioning equipment.

Untrained personnel can perform basic maintenance functions, such as cleaning coils and cleaning and replacing filters. All other operations should be performed by trained service personnel. When working on air conditioning equipment, observe precautions in the literature, and on tags and labels attached to the unit.

Follow all safety codes. Wear safety glasses and work gloves. Use a quenching cloth for brazing operations. Have a fire extinguisher available.

⚠ WARNING

ELECTRICAL SHOCK HAZARD

Failure to follow this warning could result in personal injury or death.

Before beginning any modification be sure the main electrical disconnect is in the OFF position. TAG SWITCH WITH A SUITABLE WARNING LABEL.

INSTALLATION

⚠ CAUTION

ELECTRICAL OPERATION HAZARD

Failure to follow this caution may result in personal injury.

Before installing this kit, be sure high- and low-voltage electrical power to indoor section is disconnected.

1. Using screws provided, mount time-delay relay to fan coil or furnace cabinet. Position time-delay relay in convenient place so that wires will be close to connection point. Drill 0.125 in. (use 1/8 drill size) screw holes into cabinet.

NOTE: Check to make sure no components inside cabinet are within drilling range.

2. Paint edges of screw holes to resist rust. Install mounting screws through time-delay relay and into screw holes. Tighten screws securely but do not overtighten.

⚠ CAUTION

ELECTRICAL OPERATION HAZARD

Failure to follow this caution may result in personal injury or equipment damage.

The time-delay relay and low-voltage wiring should be physically separated from high-voltage components and wiring.

3. Refer to Fig. 1 for wiring connections.
4. Connect red wire from time-delay relay to terminal R on low-voltage terminal board in fan coil or furnace.
5. Connect brown wire from time-delay relay to terminal C on low-voltage terminal board.
6. Splice wire from thermostat terminal G to black wire from time-delay relay.
7. Connect orange wire from time-delay relay to terminal G on low-voltage terminal board.
8. Affix wiring label next to indoor unit wiring label.
9. Check all connections. Turn on electrical power.
10. Affix caution label on indoor unit access panel to electrical controls.
11. To check function of system, set thermostat to operate in cooling mode. With system "calling for cooling" run for minimum of 5 minutes, then slowly move cooling lever on thermostat to higher setting to satisfy thermostat. Once the thermostat is satisfied, the indoor fan will continue to run approximately 90 seconds, then shut off.

⚠ CAUTION

UNIT DAMAGE HAZARD

Failure to follow this caution may result in equipment damage.

This accessory package includes an adhesive-backed warning sticker. Affix this sticker prominently to fan coil or furnace after installation.

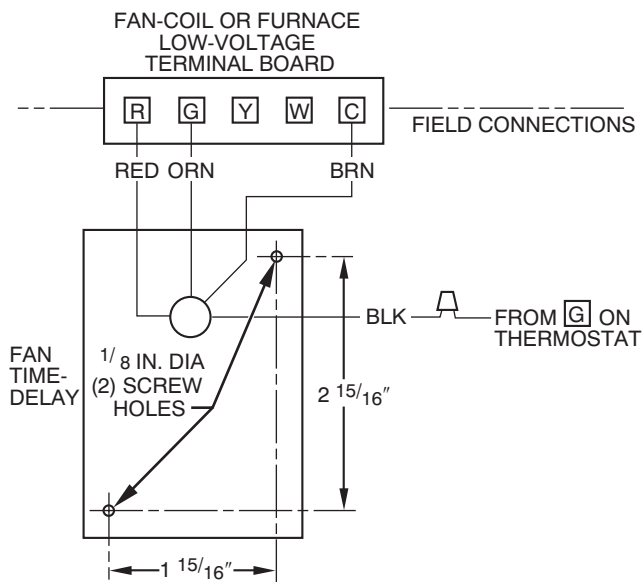


Fig. 1 - Typical Time-Delay Relay Wiring Connection

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