

Replacement Kit for Discontinued Fan Control, Kit P/N 209184

Applies to all Reznor® Duct Furnaces and Packaged Systems
with a Thermocore® 1 Heat Exchanger

DANGER: This replacement kit is to be installed by a qualified service agency in accordance with these instructions and in compliance with all codes and requirements of authorities having jurisdiction. Failure to follow instructions could result in death, serious injury, and/or property damage. The qualified agency performing this work assumes responsibility for this installation.

Description/ Application

The fan control used on Reznor heaters with a Thermocore® 1 heat exchanger has been discontinued by the manufacturer. This kit is designed to replace the fan control and applies to all Reznor products using a Thermodisc 29T 12-32517 fan control (Reznor P/N 10357).

Components

Components of Kit P/N 209184		
Qty	P/N	Description
1	209186	Wired Relay Assembly including Time Delay Relay, SPST, NO, 12S20-305131
1	209167	Relay Mounting Bracket
1	96426	#10 x 3/8" long Screw (attach relay to bracket)
1	209166	Fan Control, 60T82-314585 (125/90°F)
1	209169	Fan Control Shield Assembly
2	16354	Twist-on Wire Connector (orange)

Installation Instructions

WARNING:

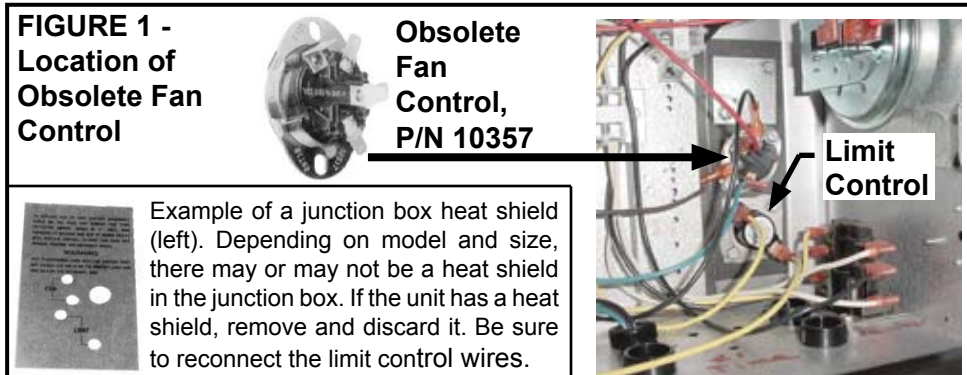
Improper installation, adjustment, alteration, service or maintenance can cause property damage, injury, or death. Read the instructions thoroughly before installing or servicing this equipment.

1. Turn off the gas and the electric.

2. Remove the control access panel.

3. **Remove the Obsolete Fan Control**

Open the electrical box cover (if provided) and locate the fan control.

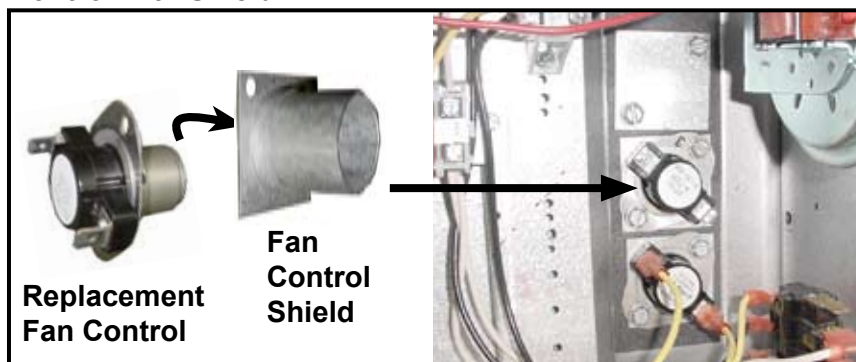


Disconnect the four wires on the fan control. Save the blue and red wires that go to Terminals 1 and 3. Discard the brown and black wires that go to Terminals A and B.

If equipped with a junction box heat shield (See **FIGURE 1**, bottom left), disconnect the limit control wires. Remove the heat shield from the junction box. Discard the heat shield. Reconnect the limit control wires.

Remove the two screws that hold the fan control. Save the screws and discard the fan control.

FIGURE 2 - Typical Installation of Replacement Fan Control with Shield



4. **Install the Replacement Fan Control (FIGURE 2)**

In the same location as the removed fan control, slide the round fan control shield through the hole in the panel and insert the sensor side of the fan control into the shield. Using the two screws saved in Step 3, attach the new fan control and shield. See **FIGURE 2**.

Attach the blue and red wires to the new fan control.

Installation Instructions (cont'd)

5. Install the Replacement Time Delay Relay (FIGURE 3)

Directly above the fan control, remove the two screws holding the patch plate that covers a hole in the wall. Save the screws and discard the patch plate. Position the relay mounting bracket over the hole. Orient the bracket so that the large tab is at the top and the small tab is towards the bottom. Attach it using the two screws from the patch plate. Use the screw from the kit to attach the relay to the mounting bracket.



Select the appropriate wiring diagram in **FIGURE 4** and follow it to connect the wiring. If needed, use the wire nuts for the relay wire connections.

FIGURE 4A - If the fan control is in the line voltage circuit, use the TOP Diagram in Drawing 224201.

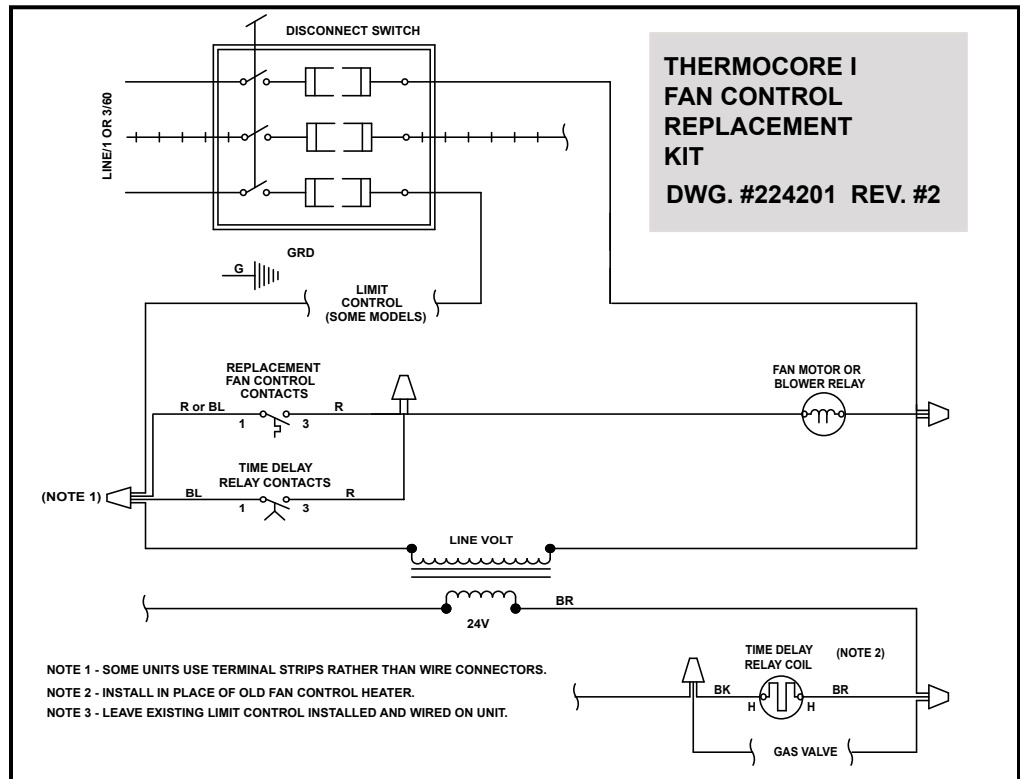
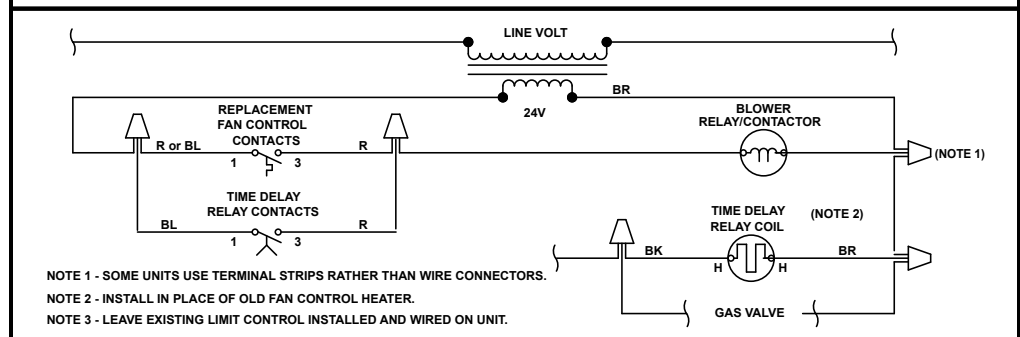


FIGURE 4B - If the fan control is in the 24V control circuit, use the BOTTOM Diagram in Drawing 224201.



6. Close the electrical box cover (if provided) and install the control access panel.

7. Turn on the electric and the gas. Check the unit for proper operation.