

REPLACEMENT KIT (PN 209184) INSTALLATION FOR DISCONTINUED FAN CONTROL

ALL DUCT FURNACES AND PACKAGED SYSTEMS WITH
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. Improper installation, adjustment, alteration, service, and/or maintenance can cause property damage, injury, or death. The qualified agency performing this work assumes responsibility for this installation.

- The fan control used on 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 products using a Thermodisc #29T12-32517 fan control (PN 10357).
- Refer to the installation manual provided with the unit for important safety information.
- Ensure that all components listed in [Table 1](#) are available before beginning installation.

Table 1. Fan Control Replacement Kit (PN 209184) Components		
Component	Description	PN (Quantity)
Time delay wired relay assembly	SPST, includes relay PN 209164 (#12S20-305131)	209186 (1)
Bracket	Mounting, relay	209167 (1)
Screw	#10 × 3/8	96246 (1)
Fan control	125/90°F (#60T82-314585)	209166 (1)
Fan control shield	Assembly	209169 (1)
Wire connector	Twist-on, orange	16354 (2)

INSTALLATION

1. Turn OFF gas and disconnect electric power.
2. Remove control access panel, open electrical box cover (if provided), and locate existing fan control (see [Figure 1](#)).

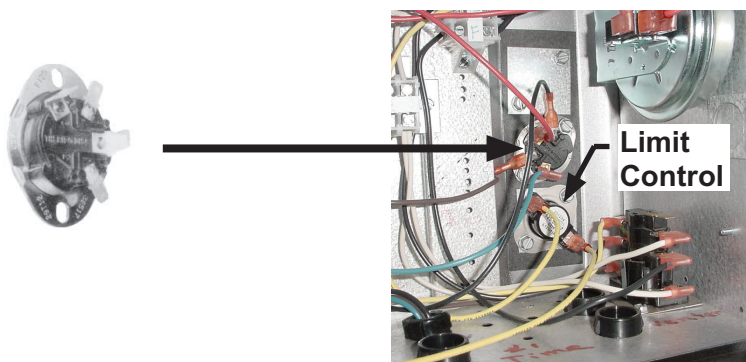


Figure 1. Obsolete Fan Control

3. Disconnect four wires from fan control. Save blue and red wires that connect to terminals 1 and 3 and discard brown and black wires that connect to terminals A and B.

DO NOT DESTROY. PLEASE READ CAREFULLY. KEEP IN A SAFE PLACE FOR FUTURE REFERENCE.

INSTALLATION—CONTINUED

NOTE: Depending on model and unit size, the junction box may or may not have a heat shield.

4. If unit is equipped with junction box heat shield (see [Figure 2](#)), disconnect limit control (see [Figure 1](#)) wires. Remove and discard heat shield and reconnect limit control wires.



Figure 2. Junction Box Heat Shield

5. Remove and save two screws that secure existing fan control (see [Figure 1](#)). Remove and discard control.
6. Install replacement fan control (see [Figure 3](#)):
 - a. Position replacement fan control in same location and slide fan control shield through hole in panel and insert sensor side of fan control into shield.
 - b. Secure replacement fan control and fan control shield using two existing screws.
 - c. Connect blue and red wires to replacement fan control.

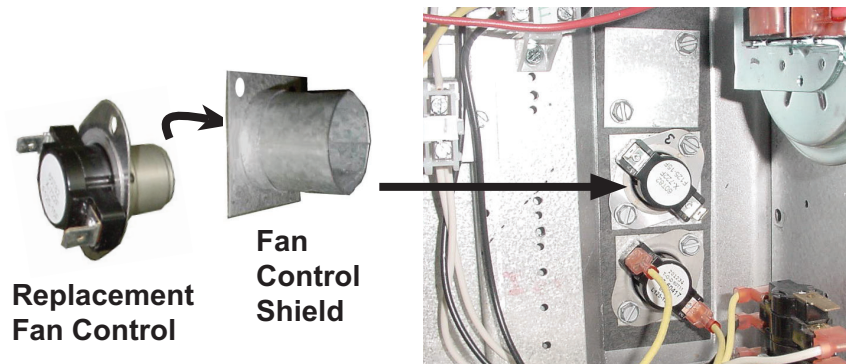


Figure 3. Replacement Fan Control and Fan Control Shield

7. Install time delay relay (see [Figure 4](#)):
 - a. Directly above fan control, remove and save two screws that secure patch plate to panel. Discard patch plate.
 - b. Position relay mounting bracket in same location. Orient bracket so that large tab is at top and small tab is at bottom and align mounting holes.
 - c. Secure relay mounting bracket using two existing screws.
 - d. Secure time delay relay to mounting bracket using screw from kit.

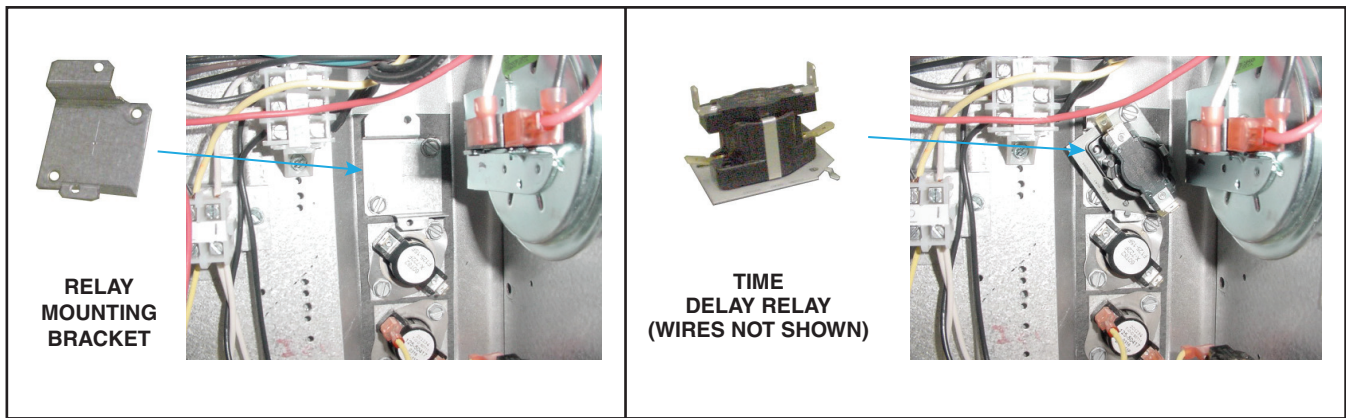
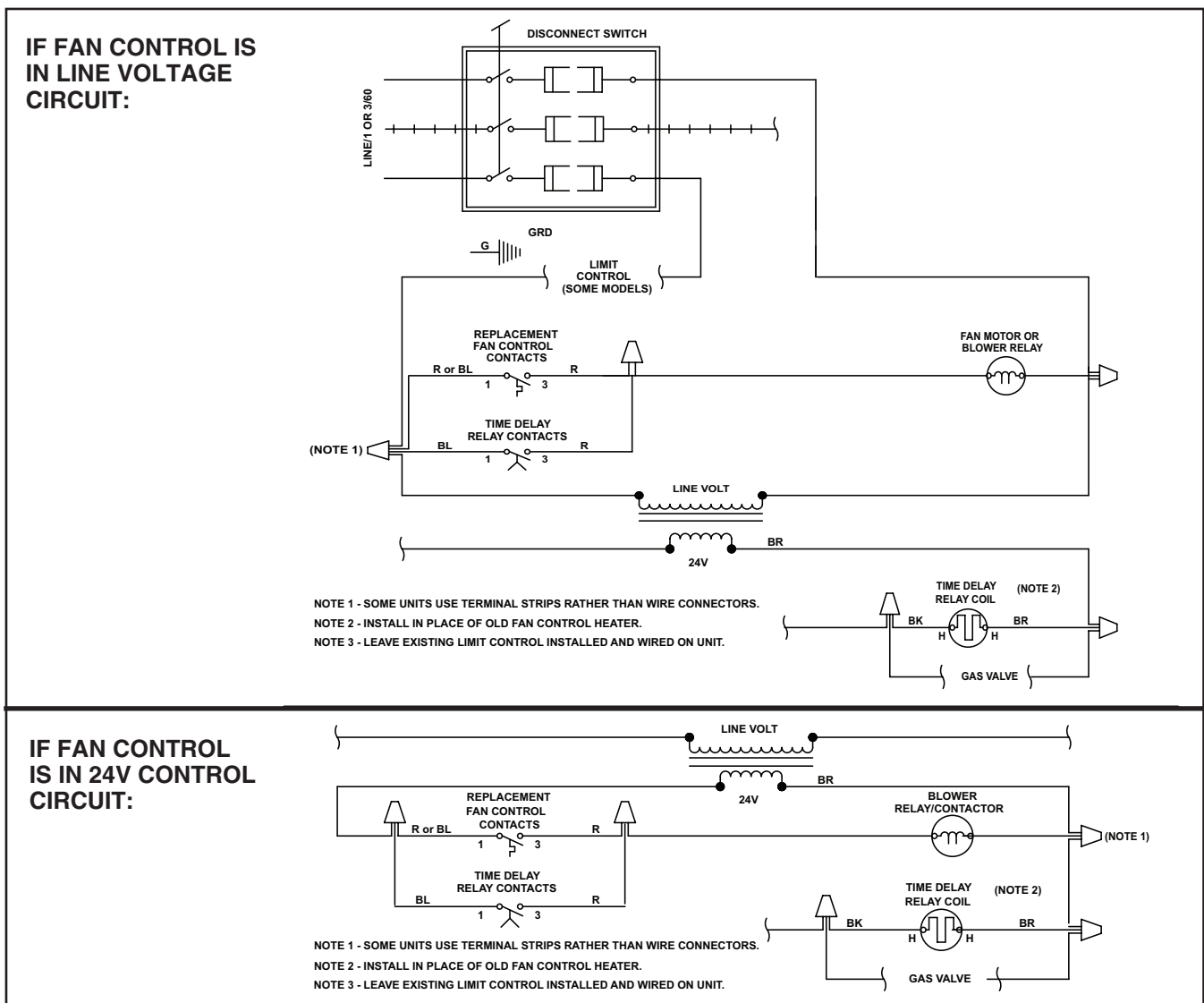


Figure 4. Time Delay Relay Assembly

8. Connect time delay relay wires in accordance with wiring diagram shown in **Figure 5**.



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

10. Turn ON electric and gas and check unit for proper operation.

