

INSTALLATION INSTRUCTION

ELECTRONIC TIME DELAY RELAY KIT

Supersedes: Nothing

530.18-N7.5V (1981)

035-156

SINGLE PACKAGE GAS/ELECTRIC UNITS DCG, DEG, DHG, DUC, DUS, BDF & BHN 3 THRU 25 TON MODELS KIT P/N 373-20602-000

KIT COMPONENTS		
QTY	DESCRIPTION	P/N
1	Electronic Timer	024-26088-001
5	Wire Nuts	025-08946-000
5	Screws	021-15509-000
5	5 - 3/16" Terminals	025-21155-000

GENERAL

This kit is a retrofit kit to remove the time delay relays (TDR) and replace them with electronic timers.

SAFETY CONSIDERATIONS

Due to system pressure, moving parts and electrical components, installation and servicing of air conditioning equipment can be hazardous. Only qualified, trained, service personnel should install, repair, maintain or service this equipment.

Observe all precautions in the literature, on labels and tags accompanying the equipment whenever working on air conditioning equipment. Be sure to follow all other safety precautions that apply.

Wear safety glasses and work gloves, and follow all safety codes. Use a quenching cloth and have a fire extinguisher available for all brazing operations.

WARNING: Make sure that all power to the unit is disconnected prior to installing this kit.

INSTRUCTIONS FOR STANDARD INSTALLATION

1. Turn off power to the unit.
2. Remove the wire from terminal 1 on the TDR. Reterminate this wire with one of the 3/16" terminals provided in the kit.

Reconnect this wire to the I.D.FAN terminal of the electronic timer.

3. Remove the wires from terminal 2 on the TDR and reconnect these wires to the 24VAC terminal on the electronic timer.
4. Remove the brown wires from the 24V common side of the TDR and reconnect these wires to the COM terminal on the electronic timer.
5. Remove the white wires from the 24V hot side of the TDR and reconnect these wires to the CONT terminal on the electronic timer.

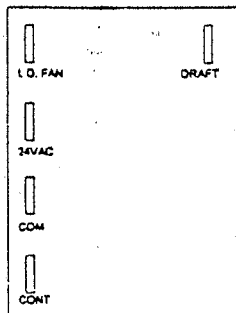
CAUTION: Any wires that are left on the TDR at this time should be high voltage wires that control the draft inducer motor during the post purge cycle. These wires must be capped off at this time using the wire nuts provided.

NOTE: All the terminals on the electronic control will have wires connected to them except for the terminal marked DRAFT. This terminal is used to provide a post purge function to the induced draft motor for production units and is not used in this kit.

6. Turn on power to the unit.

7. Test the unit to confirm proper operation. Call for heat (W1) from the thermostat. The draft motor should come on immediately. Wait 15 seconds. The ignition cycle should begin. Wait an additional 20 seconds. The indoor blower should start. Terminate the call for heat (W1). The gas and draft motor should turn off. Wait approximately 45 seconds. The indoor blower should turn off. Note: On the first heat cycle, the indoor blower may come on immediately. If this happens, the control has not failed but needs the first cycle to clear the blower timings. Repeat this test to make sure that the electronic control is working properly.

1 - ELECTRONIC TIMER
P/N 024-26088-001



5 - WIRE NUTS



5 - SCREWS



5 - 3/16" TERMINALS



FIG. 1 - PARTS INCLUDED IN KIT