

DUAL HEATER CONTROL

INSTALLATION AND OPERATION

The Dual Heater Control allows up to 3 heaters to be controlled from one HI-LO thermostat control.

The control is designed for 110 volt operation and comes complete with all necessary mounting hardware and enough power cord for one additional heater.

The control consists of 2 general purpose relays. One relay controls the HI-flame solenoid and the other controls the LO-flame solenoid. The Dual Heater Control mounts inside the heater control box that the HI-LO thermostat is connected to. The safety circuits of the heaters are not affected, the relay simply isolates the control circuit.

INSTALLATION INSTRUCTIONS

1. Mount Dual Heater Control inside control box of main heater. Mounting holes and space are provided inside top dry heater control boxes.
2. The 4 wires (black, white, red, green) coming out of one side of the control are connected inside the main heater control box. The white and green wire connect to V2 on the Fenwall unit or to the neutral side of the control solenoid if installing on a standard unit (no Fenwall).
3. The black wire should be connected to the same lead that powers the HI-flame solenoid. The HI-flame solenoid is the one that is closest to the orifice. This lead is found at the humidistat-thermostat interlock. The side of this interlock that has only one lead attached is where you can tie in the black wire from the control.
4. The red wire should be connected to the same lead that powers the LO-flame solenoid. The LO-flame solenoid is the one that is farthest away from the orifice and in the main pipe train. This lead is found on the opposite side of the humidistat-thermostat interlock that the black wire from step 3 is connected to.
5. Install the (2) 25' power cords into the main heater control box.

NOTE: If 2 additional heaters are used 4 power cords are required. Only 2 are supplied with the kit.

6. Connect one of the power cords to either the purple and red or to the blue and orange wires.

NOTE: These wires are in pairs. Purple and red are one pair. Blue and orange are the other pair. No other combinations will work.

If 2 additional heaters are required both pairs of wires will be used. When only one additional heater is used cap or tape off the extra pair of wires.

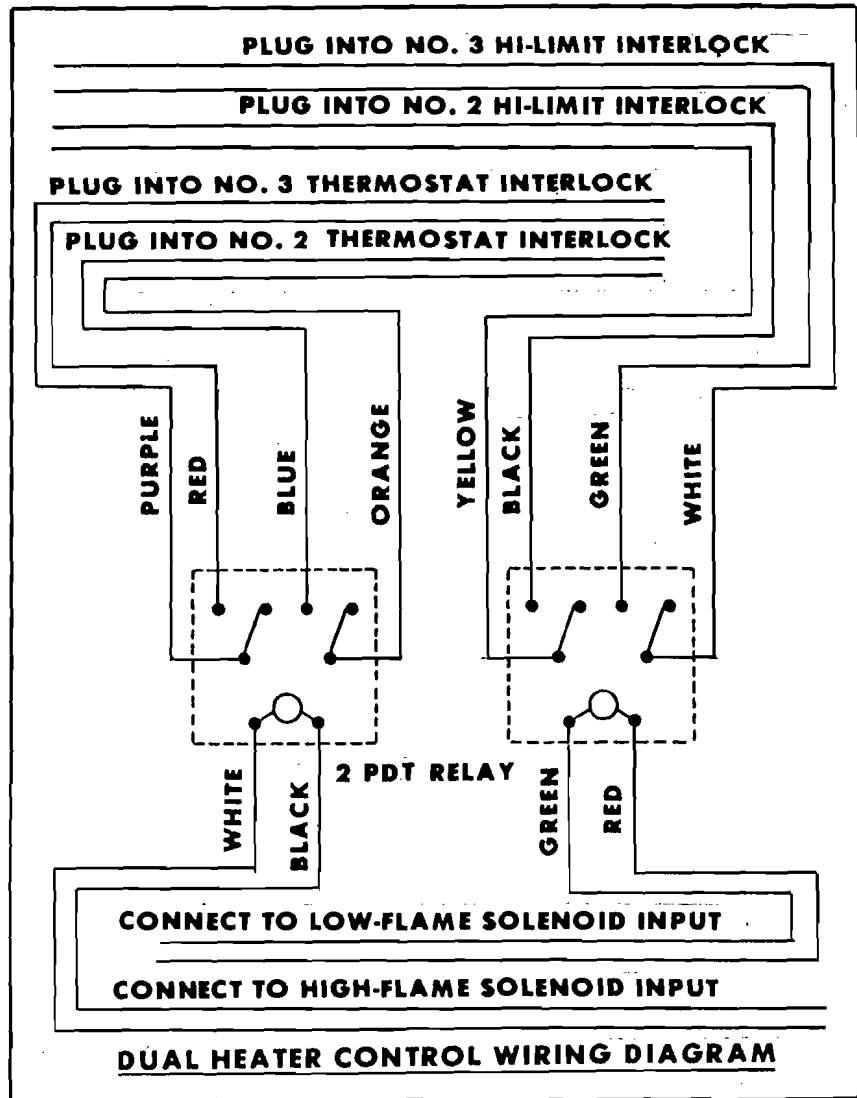
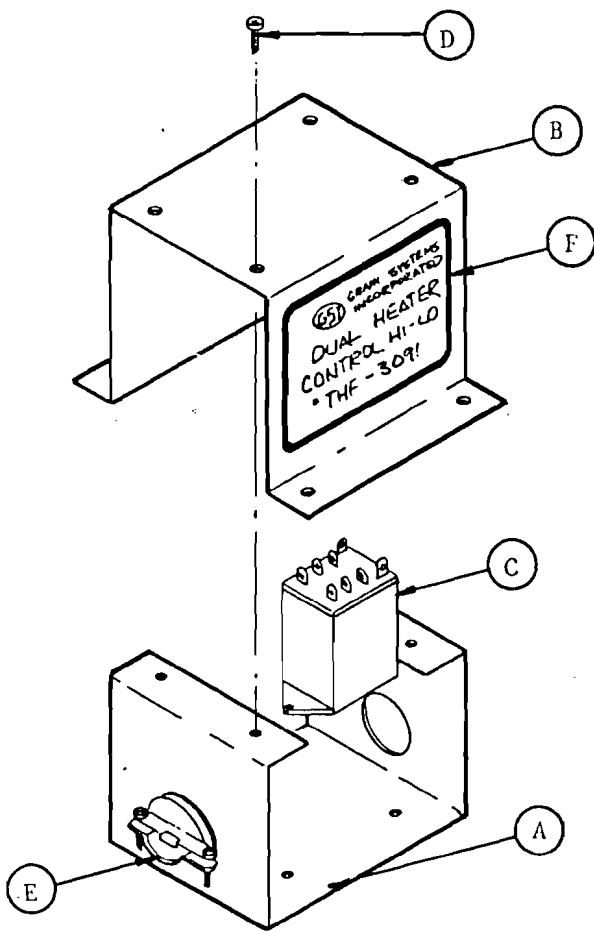
7. This cord or cords that have just been connected should be plugged into the humidistat-thermostat control circuit of the additional heater or heaters.

- Connect the other power cord to either the white and green or the yellow and black wires.

NOTE: These wires are in pairs. White and green are one pair. Yellow and black are the other pair. No other combinations will work.

If 2 additional heaters are required both pairs of wires will be used. When only one additional heater is used cap or tape off the extra pair of wires.

- This cord or cords should be plugged into the HI-limit thermostat interlock of the additional heater or heaters. This completes the installation.
- Start the heaters and test operate the HI-LO thermostat to insure that the heaters are cycling together.



ITEM	PART NO.	DESCRIPTION	QUANTITY
A	THF-3064	DUAL HEATER CONTROL BASE.	1
	THF-3065	DUAL HEATER CONTROL LID	1
C	THH-4077	2-PDT GENERAL PURPOSE RELAY.	2
D	S-1040	8-32 X 1/4" SHEET METAL SCREW	8
E	S-538	3/8" ROMEX CONNECTOR.	2
F	DC-327	DUAL HEATER CONTROL DECAL.	1