

# DUO-THERM

## OWNERS OPERATING INSTRUCTIONS

### FOR DIRECT VENT HEATERS

#### CAUTION:

Due to high temperatures, children and adults should be alerted to the hazard of high surface temperature and should be kept away to avoid burns or clothing ignition.

Young children should be carefully supervised when they are in the same room with the heat

DO NOT Place clothing or other flammable material on or near heater.

Installation and repair should be done by a qualified service person. The heater should be inspected before use and at least annually by a professional service person. More frequent cleaning may be required due to excessive lint from some carpeting, bedding material, etc. It is imperative that control compartments, burners and circulating air passageways of the heater be kept clean.

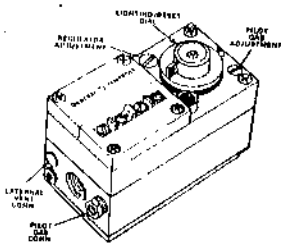
#### LIGHTING:

1. Heaters with thermostatic controls, adjust thermostat or temperature control dial to "OFF" position.
2. Be sure all shut off valves in supply line are open.
3. Turn gas control dial to "OFF", open lighter door and wait 10 minutes.
4. Rotate dial to "PILOT", Depress dial while lighting pilot burner. This is easily accomplished by using a wooden type kitchen match, and attempting to get the flame to the pilot burner before the phosphorous is completely burned from tip of match.
5. Keep dial depressed for 1 minute after pilot starts burning, and rotate dial to "ON" position. (On heaters equipped with Millivolt Control, allow pilot to burn for 2 minutes before rotating dial to "ON" position.)
6. Close lighter door after lighting heater.
7. Heaters with thermostatic controls, adjust thermostat or temperature control dial to desired temperature.
8. If pilot goes out, open lighter door and wait 10 minutes before repeating lighting procedure. If pilot needs adjusting, see Pilot Adjustment, (for modulating and millivolt controls).
9. For complete shut down, Push in on dial and rotate to "OFF" position.
10. If more heat is desired of heaters equipped with thermostatic controls turn thermostat or temperature control dial to a higher setting.

#### PILOT ADJUSTMENT:

Remove pilot adjusting cap and adjust screw so flame completely envelopes the end (approximately 3/8") of thermocouple.

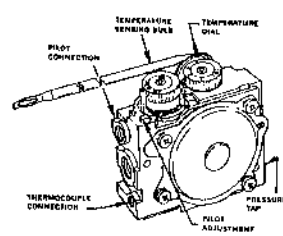
NOTE: This heater is approved for use with L.P. Gas only. Gas pressure should be set at .11" w.c. at the heater.



MILLIVOLT CONTROL

#### Lighting Procedure:

1. Turn to PILOT. Press dial in and light Pilot. Hold for 60 seconds and release.
2. Turn dial counterclockwise to ON.
3. Set Thermostat for desired room temperature.
3. Press dial in and turn clockwise to OFF. Use this position when complete shutdown is necessary. (Use PILOT position for temporary or seasonal shutdown.)



MODULATING CONTROL

#### \*Approximate Temperature

- Dial Settings:
- 1 = 50°
  - 2 = 60°
  - 3 = 70°
  - 4 = 80°
  - 5 = 90°

#### Lighting Procedure:

1. Turn to PILOT. Press dial in and light pilot. Hold for 60 seconds and release.
2. Turn dial counterclockwise to ON. Set temperature dial for desired room temperature.\*
3. Turn dial clockwise to PILOT, press dial in and turn to OFF. Use this position when complete shutdown is necessary. (Use PILOT position for temporary or seasonal shutdown.)

## AIR ADJUSTMENT

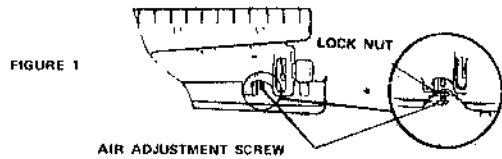
An air adjustment screw is provided on some heaters. Check Figures 1 & 2 for the screw location on your particular heater. The 65211, 65311, 65411, 65510, 65512, 65515 and 65517 Series heaters do not have an adjusting screw.

Too Much Air - Firing at Orifice-Flame lifting from Burner.  
Lack of Air - Yellow Flame-Soot.

To adjust screw, loosen lock nut and turn screw clockwise (in) to decrease, and counter clockwise (out) to increase air. After adjusting, tighten lock nut.

It is also important that the flue pipes are installed properly. Improperly installed flue pipes, and loose connections can cause pilot outage and fumes.

### MODELS 65210 SERIES & 21R SERIES



### MODEL 65212 SERIES

