

## HOW TO INSTALL AN ADDITIONAL GAS VALVE

Determine if the appliance has a redundant gas valve. If it has a redundant gas valve proceed to install the damper assembly.

**WARNING:** If the appliance does not have a redundant gas valve, an additional gas valve or a redundant gas valve must be installed.

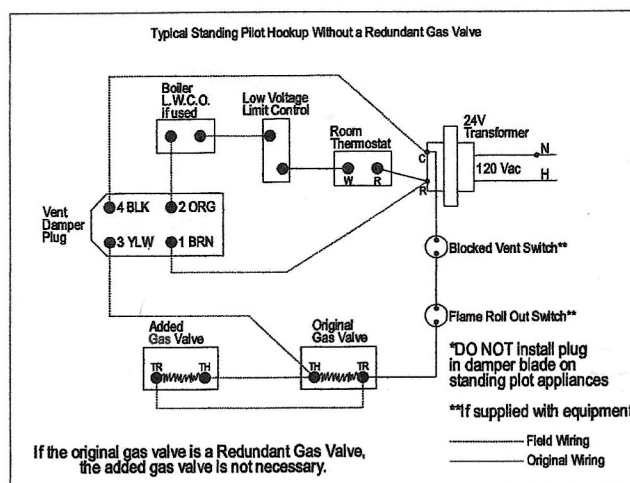
1. Shut off the gas and electricity to the gas burner (use the manual shut off valve in the supply line to the appliance).
2. Locate a position in the supply line between the appliance automatic gas valve and the burner.
3. Both gas valves must terminate the main gas supply to the burner(s). Both gas valves must be piped in series and wired in parallel. See wiring diagram.
4. Install an approved appropriately sized single function automatic gas valve in this location downstream of the existing automatic gas valve. (Follow the gas valve manufacturers' instructions for flow directions and position).
5. Restore gas line supply, conduct a leak test on the gas piping and control system downstream of the appliance shut off valve.
6. A typical standing pilot hookup with an added gas valve is shown in Diagram A. Terminals one, two, and three must be the same polarity. Failure to obtain correct polarity may damage the damper motor assembly. To set the room thermostat heat anticipator. Add an additional 0.10 amps to the specified or measured control circuit amps.
7. For best results we suggest measuring the current across the thermostat with a meter. Set the heat anticipator according to the reading plus 0.10 amps.

**NOTE:** The damper must be open and the burner(s) operating to obtain an accurate reading.

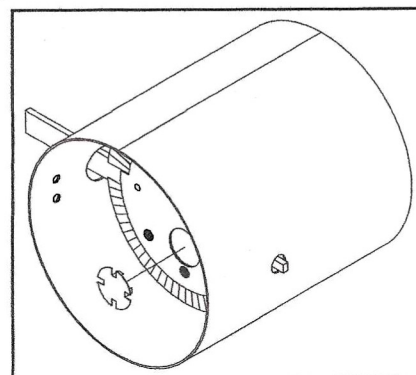
## INSTALLATION OF THE PILOT VENT PLUG

**CAUTION:** The pilot vent plug is to be installed only on intermittent or direct ignition systems. Do not install the pilot vent plug on standing pilot systems. Failure to follow these instructions can cause odor problems and minor property damage due to moisture.

1. To avoid motor assembly damage, be careful not to turn the damper gate manually, while installing the pilot vent plug.
2. The pilot vent plug is located on the front cover of this installation manual.
3. Insert pilot vent plug into gate and fold over tabs. (See Figure 2)



**Diagram A:** Note: Terminals 1, 2 and 3 must be the same polarity. Add 0.10 amps to the specified or measured heat anticipator setting.



**Figure 2**