

IPI ELECTRONIC SYSTEM OPERATING INSTRUCTIONS

5.25 VDC ELECTRONIC CONTROL VALVE

The electronic control valve system includes the ability to switch the pilot from a standing pilot mode to an intermittent pilot mode.

- **IPI Mode** - In the Intermittent Pilot mode, when the fireplace is turned ON, it will cause spark to the pilot, light the pilot, then allow the burner to light. When the fireplace is turned to OFF, both the burner and pilot will be OFF.
- **CPI Mode** - In the "Pilot On Demand" mode, the pilot remains ON continuously even when the burner is turned OFF. The pilot will shut off after 7 days if there is no activity or call for heat.

NOTICE: A small toggle switch is located on the front of the module tray that is used to switch from IPI (left) to the CPI (right). See Figure 73.

When the fireplace is turned to ON, the electrical current will energize a spark to the pilot igniter. Once the pilot sensor heats up (after a few seconds), the valve will be energized, allowing gas to flow to the burner.

1. Follow the SAFETY and LIGHTING INSTRUCTIONS for Intermittent Pilot controls found in this manual, and on labels found in the control compartment located in the lower cavity of the fireplace.
2. During the operating season (or in power outage periods), it is recommended that the pilot remain in the CPI (standing pilot mode) to reduce cold start issues, and/or conserve battery backup power during a power outage.
3. The gas valve has inlet and outlet pressure taps as shown in Figure 73. Refer to page 13 for gas pressure requirements.

NOTICE: The gas control has a manual HI/LO flame adjustment knob (regulator) that allows you to increase or decrease the height of the burner flame. See Figure 73. Rotate the HI/LO knob counterclockwise to "HI" to increase the flame height, and clockwise to "LO" to decrease the flame height.

OPTIONAL REMOTE CONTROLS

Optional remote controls are available for use with this fireplace. It is recommended that the remote receiver be placed either in a wall outlet box with extended wiring, on the fireplace hearth, behind the left side surround panel, or in the control compartment area as far forward in the insert as possible.

The placement options for the remote receiver are given to allow flexibility, however battery life will be extended when the receiver is placed in cooler areas.

To connect the remote receiver to the fireplace, first disconnect the ON/OFF switch wires from the white and green wire connectors and connect the wires from the remote receiver to the green and white wire connectors. See Figure 73.

Follow the instructions included with the remote control for programming and other operational information.

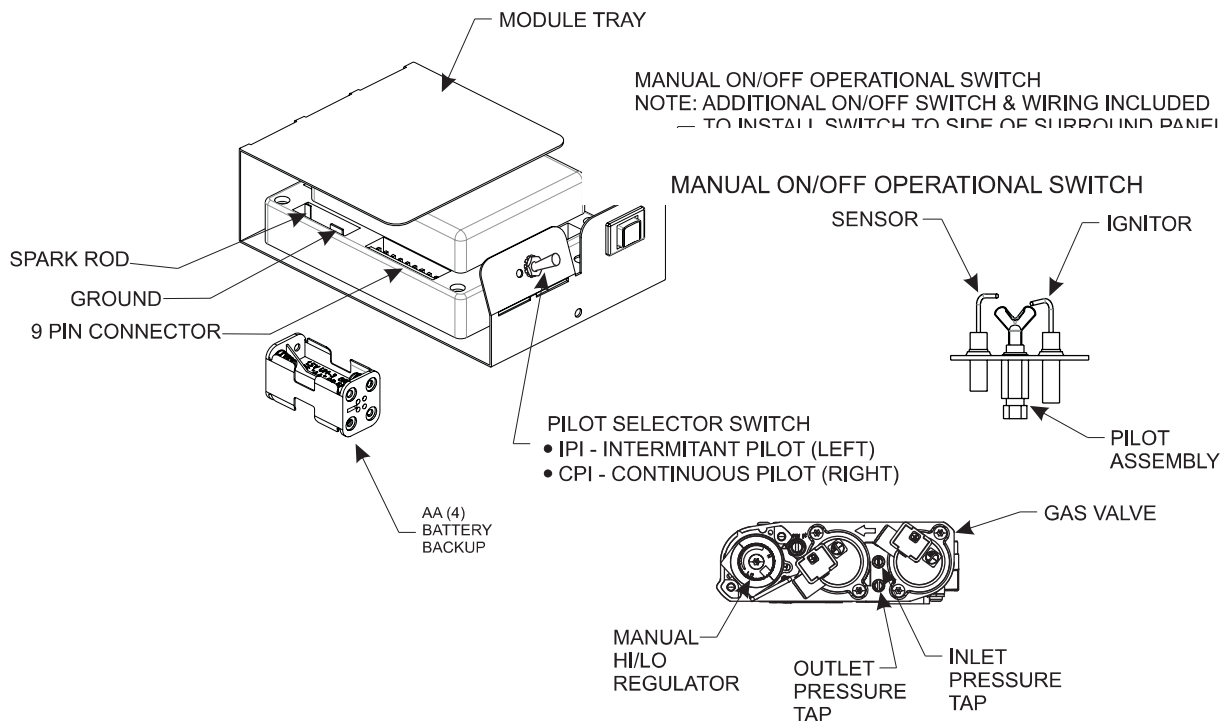


Figure 73

IPI ELECTRONIC SYSTEM WIRING DIAGRAM

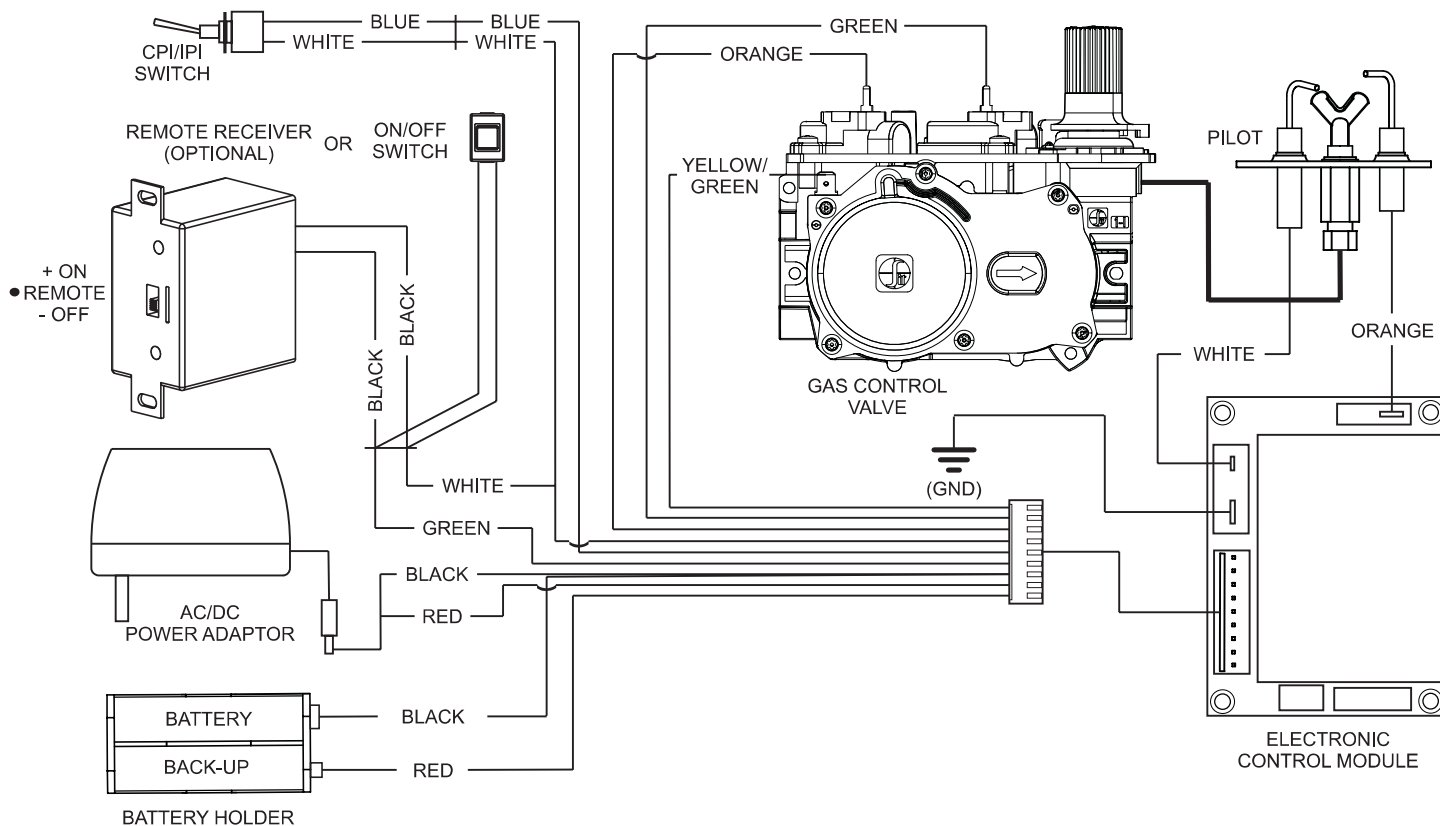


Figure 74

If any of the original wire supplied with this fireplace must be replaced, it must be replaced with equivalent gauge and temperature rated wire.

⚠ CAUTION

Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation.

Verify proper operation after servicing.

INTERMITTENT PILOT LIGHTING INSTRUCTIONS

FOR YOUR SAFETY READ BEFORE LIGHTING

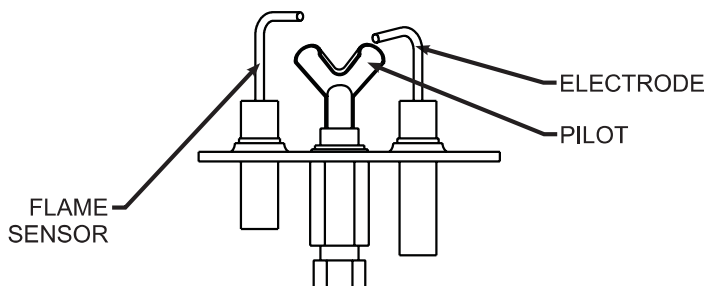
⚠ WARNING

If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

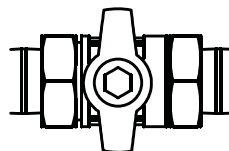
- A. This fireplace has a pilot which can be lighted with the manual on/off switch, a remote control, or by switching the receiver switch to the "ON" position. When lighting the pilot, follow these instructions exactly.
- B. BEFORE LIGHTING smell all around the fireplace area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.
WHAT TO DO IF YOU SMELL GAS
Do not try to light any appliance. Do not touch any electrical switch. Do not use any phone in your building. Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions. If you can not reach your gas supplier, call the fire department.
- C. Use only the remote control or manual remote receiver switch to operate the gas valve. Never use tools. If valve does not operate, don't try to repair it, call a qualified service technician. Force or attempted repair may result in a fire or explosion.
- D. Do not use this fireplace if any part has been under water. Immediately call a qualified service technician to inspect the fireplace and to replace any part of the control system and any gas control which has been under water.

LIGHTING INSTRUCTIONS

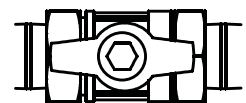
1. STOP! Read the safety information above.
2. Turn OFF electric power to the fireplace.
3. Open bottom louver if included, or remove the barrier screen assembly.
4. Turn gas valve counterclockwise  to "On" position.
5. Wait ten minutes to clear out any gas. Then smell for gas, including near the floor. If you smell gas, STOP! Follow "B" in the safety information above on this page. If you do not smell gas, go to the next step.
6. Turn ON electric power to the fireplace.
7. Find pilot - Follow metal tube from gas control. The pilot is behind the burner on the right side.
8. Turn main flame to on. If the pilot does not light within 60 seconds, stop and go to Step 5.
9. Refer to remote control instructions for detailed information, control features, and operation. **NOTICE:** There is a CPI/IPI switch that allows for a continuous standing pilot mode or an intermittent pilot mode. See fireplace manual for location of this switch. If the pilot or burner does not stay lit (in the standing pilot mode), stop and immediately call a qualified service technician or gas supplier.
10. If the burner or pilot does not operate properly after several tries, turn the gas valve clockwise  to "OFF" and call your service technician or gas supplier.
11. Replace the bottom louver assembly, or barrier screen assembly.
12. Operation of the gas valve is controlled by a manual on/off switch or a hand held remote control. Refer to remote instructions for detailed operation information.



GAS SHUT-OFF VALVE



OFF



ON

TO TURN OFF GAS TO FIREPLACE

1. Turn off all electric power to the fireplace if service is to be performed (if applicable).
2. Gain access to control compartment. Open bottom louver assembly if included, or remove the barrier assembly.
3. Locate On/Off gas valve and turn clockwise to  "OFF". Do not force.
4. Close bottom louver assembly if included, or replace the barrier screen assembly.