



TECHNICAL SERVICE DEPARTMENT
Technical Service Bulletin
1-800-432-8373



Ultra Low NOx PowerVent with Honeywell Electronic Control
California Only

Valve fault detected	Eight-Four Flash, three second pause
Troubleshooting	Solution
1. Gas control valve needs to be reset or has been damaged.	1. Recycle power to verify error 2. Replace gas control

Reset Gas Control

This will clear the current fault and force the unit to recycle for ignition.

1. Turn temperature control knob all the way clockwise
2. Recycle power to the heater (both blower and gas valve)
3. Rotate the temp knob all the way to the left, then back to the right. You must cross the midline seven (7) times within 30 seconds to reset the gas valve.
4. Unit should return to normal operations if all faults have been cleared and repaired. You will hear the blower motor come on.
5. Set water temperature to a safe setting of 120° or less.

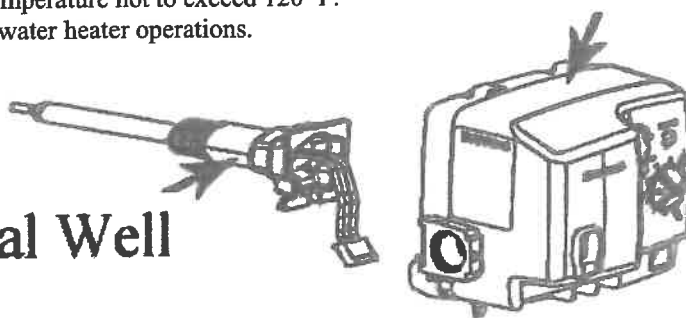
Replacing the Gas Control.

The electronic component for the gas valve is replaceable without draining the water from the tank. To replace just the electronic control portion:

1. Turn off the gas valve. Unplug the water heater.
2. Remove wiring harnesses from the gas valve.
3. Remove main burner supply tube and pilot supply tube.
4. Remove / disconnect gas supply line.
5. Grab the bottom of the gas valve (at the main burner supply tube area) and lift up and out at the same time. There are two small plastic locking tabs that will release.
6. The electronic component will slide up and off the thermal well still installed in the tank.
7. Replace the control in reverse order.
8. Reconnect fuel supply lines and tubes.
9. Reconnect wiring harnesses.
10. Recycle power to the water heater.
11. Set the water temperature not to exceed 120° F.
12. Check for safe water heater operations.

Electronic Gas Control

Thermal Well



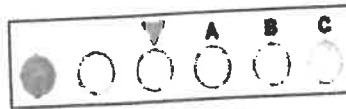


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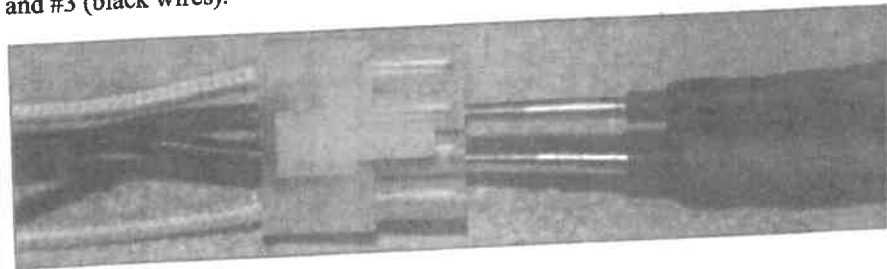
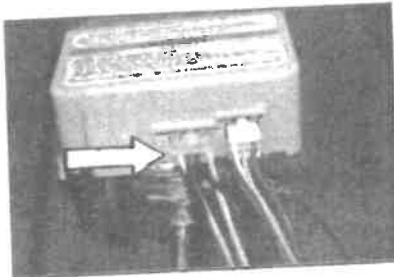
White Rodgers Gas Control Reset Procedure

1. **IMPORTANT!** Inspect the installation/location for the presence of materials that could produce flammable vapors (ex: gasoline, cleaning compounds, paints/solvents) or the presence of bleach or ammonia. Remove any of these materials and thoroughly ventilate the area where water heater is located.
2. Interpret flash code. The White Rodgers control is able to tell the difference between a disconnected sensor and a Flammable Vapor incident.
3. Turn off blower power switch on water heater and unplug power cord.
4. Disconnect flammable vapor sensor wire connector from control valve and measure electrical resistance between connector test points #2 and #3 (black wires).



ERROR 15
 Indicates: The control detected the presence of flammable vapors near the appliance and entered lockout.

Check, Repair, or Replace



- a. Sensor resistance should be above 9k ohms and below 45k ohms. If the sensor is within this range, proceed to Step 5.
- b. If the sensor resistance is less than 9k ohms or greater than 45k ohms, replace the sensor assembly. Call technical service for the sensor kit – 800-432-8373.
5. Re-install the sensor wire Molex connector to the control valve and follow the reset instructions below.

The following steps may only be performed after completing the above procedure.

1. Reconnect power to the water heater and turn the unit on. The FV error code will re-appear. Within 5 seconds...
2. Press and hold left and right arrow keys on the control valve, at the same time, until the green light begins to blink.
3. Release buttons and immediately.....
4. Press left and right temp adjustment keys in the following sequence:

Left
 Right
 Left, Left

Right
 Left
 Right, Right



5. If the error code is reset, all the lights will come on. The valve is now reset. You must complete all steps within 30 seconds.

NOTICE: Do not attempt to disconnect, jumper, obstruct or block the Flammable Vapor Sensor. If will cause an error code.