

Honeywell Gas Control Troubleshooting Chart

Flammable Vapor Ignition Resistant Water Heaters

Observe green LED indicator on Gas Control. Error flash codes are displayed with a three second pause before repeating. Check and repair the system as noted in the troubleshooting table below.



Green LED Indicator

<u>LED Status</u>	<u>Control Status</u>	<u>Probable Cause</u>	<u>Service Procedure</u>
None (LED not on or flashing)	Gas Control is operating normally. Pilot flame may not be present. Check for pilot flame through sight glass and light if necessary.	<ol style="list-style-type: none"> 1. Gas Control is functioning normally. 2. Gas Control is not powered. Light pilot. 3. Thermopile failure. 	If the pilot will not stay lit replace pilot assembly. If problem persists replace Gas Control.
One flash and three second pause	If set point knob is in "PILOT" position then pilot flame is detected. Turn set point knob to desired setting.	Gas Control is powered and waiting for the set point knob to be turned to a water temperature setting.	Normal operation. Adjust thermostat to desired temperature setting.
LED on continuously (Solid)	Set point knob has been recently turned to the "OFF" position. Wait until LED goes out before attempting to relight	Set point knob was turned to "OFF" position.	LED will go out and the control will function normally when the pilot is lit.
Two flashes and three second pause	Weak pilot signal detected. System will reset when pilot flame is sufficient.	<ol style="list-style-type: none"> 1. Thermopile failure 2. Unstable pilot 3. Pilot tube block or restricted. 4. Resettable thermal switch has opened 	<ol style="list-style-type: none"> 1. See service procedure RG-II 2. See service procedure RG-III 3. See service procedure RG-III 4. See service procedure RG-VIII
Three flashes and three second pause	Insufficient water heating. System will reset.	<ol style="list-style-type: none"> 1. Temperature sensor out of calibration 	<ol style="list-style-type: none"> 1. See service procedure RG-VI
Four flashes and three second pause	Excessive tank temperature. System must be reset.	<ol style="list-style-type: none"> 1. Temperature sensor out of calibration 2. Faulty Gas Control 	<ol style="list-style-type: none"> 1. See service procedure RG-VI 2. See service procedure RG-VI

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<u>LED Status</u>	<u>Control Status</u>	<u>Probable Cause</u>	<u>Service Procedure</u>
Five flashes and three second pause	Thermostat/well sensor fault.	<ol style="list-style-type: none"> 1. Damage to the temperature sensor. 2. Temperature sensor resistance out of range. 	<ol style="list-style-type: none"> 1. See service procedure RG-VI
Six flashes and three second pause	Water leak detected by accessory module.	Excessive amount of water in drain pan/water dam.	<ol style="list-style-type: none"> 1. Check T&P valve 2. Check all water fittings. 3. Pressurize and leak test tank.
Seven flashes and three second pause	Gas Control electronic fault detected.	<ol style="list-style-type: none"> 1. Control need to be reset. 2. Control is wet or physically damaged. 	<ol style="list-style-type: none"> 1. Reset Gas Control 2. Replace Gas Control.
Eight flashes and three second pause	Standing pilot remains on while set point knob is in "OFF" position.	Pilot valve stuck in open position.	Replace Gas Control.