

LED Status	Control Status	Probable Cause
Honeywell ICON Troubleshooter None (LED not on or flashing)	Millivolt power is not present. Light pilot.	<ol style="list-style-type: none"> 1. Gas valve is functioning normally 2. Gas valve is not powered. Light pilot
One flash and three second pause.	If set point knob is in "PILOT" position then pilot flame is detected. (no faults) .	Gas valve is powered and waiting for the set point knob to be turned to a water temperature setting. If the set point knob is at desired setting the thermostat is satisfied.
LED strobe (two quick flashes) and three second pause	Thermostat calling for heat (no faults)	Water heater operating normally.
LED on continuously.	Set point knob has been recently turned to the "OFF" position.	Set point knob was recently turned to "OFF" position. Wait until LED goes out before attempting to relight
Two flashes and three second pause.	Weak pilot flame detected. System will reset when pilot flame is sufficient.	<ol style="list-style-type: none"> 1. Unstable pilot. 2. Pilot tube blocked or restricted.
Three flashes and three second pause.	Insufficient water heating. System will reset.	<ol style="list-style-type: none"> 1. Temperature sensor out of calibration. 2. Possible short.
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 valve.
Five flashes and three second pause.	Temperature Sensor fault.	<ol style="list-style-type: none"> 1. Damage to the temperature wire. 2. Temperature sensor resistance out of range. 3. Replace temperature sensor. 4. If temperature sensor replacement does not correct the problem; Verify control is not wet or physically damaged 5. Turn set point knob to "OFF" position. Turn set point knob to "PILOT" position and light pilot. 6. Replace gas valve if five flash error persists
Six flashes and three second pause.	Water leak detected by accessory module (some models).	Excessive amount of water in drain pan/water dam.
Seven flashes and three second pause.	Gas valve electronic fault detected.	<ol style="list-style-type: none"> 1. Verify control is not wet or physically damaged. 2. Turn set point knob to "OFF" position. Turn set point knob to "PILOT" position and light pilot. 3. Replace gas valve if seven flash error persists.
Eight flashes and three second pause	False pilot flame present.	<ol style="list-style-type: none"> 1. Pilot valve stuck in open position 2. Turn set point knob to "OFF" position. Turn set point knob to "PILOT" position and light pilot. 3. Replace gas valve if eight flash

error persists.