## Atmospheric Vent Water Heaters - ICON

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Definition</th>
<th>Service Action</th>
<th>Possible Parts Needed</th>
</tr>
</thead>
<tbody>
<tr>
<td>No LED</td>
<td>No pilot light / Heater not in operation</td>
<td>Follow lighting instructions on the water heater</td>
<td>1) None</td>
</tr>
<tr>
<td>One flash &amp; three second pause</td>
<td>Knob in pilot position or thermostat satisfied</td>
<td>None</td>
<td>1) None</td>
</tr>
<tr>
<td>LED Strobe (two quick flashes) &amp; three second pause</td>
<td>Thermostat calling for heat</td>
<td>None</td>
<td>1) None</td>
</tr>
<tr>
<td>LED on continuously</td>
<td>Control knob turned to the off position</td>
<td>Wait for LED to go off before relighting</td>
<td>1) None</td>
</tr>
<tr>
<td>Two flashes &amp; three second pause</td>
<td>Weak pilot signal detected</td>
<td>Verify pilot is lit; Check thermopile voltage output; Check wire connections at gas valve</td>
<td>1) Pilot assembly; 2) Gas valve</td>
</tr>
<tr>
<td>Three flashes &amp; three second pause</td>
<td>Gas valve has not seen temp rise in proper amount of time</td>
<td>Check temp probe ohms; Verify water is not flowing</td>
<td>1) Gas valve cover w/ temp probe</td>
</tr>
<tr>
<td>Four flashes &amp; three second pause</td>
<td>High tank temperature</td>
<td>Check temp probe ohms; Check water temperature</td>
<td>1) Gas valve cover w/ temp probe</td>
</tr>
<tr>
<td>Five flashes &amp; three second pause</td>
<td>Thermostat sensor fault</td>
<td>Check temp probe ohms; Check water temperature</td>
<td>1) Gas valve cover w/ temp probe</td>
</tr>
<tr>
<td>Six flashes &amp; three second pause</td>
<td>Water leak detected by the accessory module (if installed)</td>
<td>Refer to troubleshooting for the accessory module</td>
<td>1) Refer to troubleshooting for the accessory module</td>
</tr>
<tr>
<td>Seven flashes &amp; three second pause</td>
<td>Gas valve fault</td>
<td>Reset gas valve; if problem persists replace gas valve</td>
<td>1) Gas valve</td>
</tr>
<tr>
<td>Eight flashes &amp; three second pause</td>
<td>Pilot remains lit while the control knob is in off position</td>
<td>Check gas pressure; Replace gas valve</td>
<td>1) Gas valve</td>
</tr>
</tbody>
</table>

**NOTE:**
- Check all wire connections
- Check gas inlet and manifold gas pressure
- Check for grounding connections

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**Technical Support**
800-334-3393  
www.bradfordwhite.com