FOR THE PRO

QUICK SERVICE GUIDE
SERVICE MANUAL SUPPLEMENT

iTEC
International Technical Excellence Center

Atmospheric and Direct Vent Water Heaters - ICON 1.0
*Serial Date Code "TA" (Jan 2019) and Prior**



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

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

*If serial is at or near this date please contact Technical Support to verify control generation. Always check the manufacture date using the For The Pro® Contractor app or at bradfordwhite.com