



SERVICE MANUAL SUPPLEMENT-QUICK SERVICE GUIDE FOR U-SERIES AND URG-SERIES PRODUCTS

ICON — Ultra Low NOx Water Heaters

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 and three second pause	Knob in pilot position or thermostat satisfied	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 and 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 and three second pause	Control has not seen temp rise in proper amount of time	Check temp probe ohms Check gas pressure Verify water is not flowing	1) Gas valve
Four flashes and three second pause	High tank temperature Check gas valve	Check temp probe ohms	1) Thermowell 2) Gas valve
Five flashes and three second pause	Thermostat sensor fault Check gas valve cover	Check temp probe ohms	1) Thermowell 2) Gas valve
Six flashes and three second pause	Chamber door temp sensor out of specification	Check door sensor ohms Clean screenlok Clean burner	1) Chamber door sensor
Seven flashes and three second pause	Gas valve fault	Reset gas valve. If problem persists, replace gas valve	1) Gas valve
Eight flashes and three second pause	Pilot remains lit while the control knob is in off position	Check gas pressure Replace gas valve	1) Gas valve
Ten flashes and three second pause	Insufficient combustion air detected	Check gas pressure Clean screenlok Check venting Clean burner	1) Chamber door sensor

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

Technical Support
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