



Error/Status Message	Explanation	What to Check
Motor Safety On	<ul style="list-style-type: none"> • Bad motor or dead short • Welded relay contacts 	<ul style="list-style-type: none"> • Check voltage at the time of the fault • If control will not reset replace the control
Flame Detected	<ul style="list-style-type: none"> • CAD cell seeing light • Short in cad cell harness 	<ul style="list-style-type: none"> • Check CAD cell ohms in darkness • Check ohms on the cad cell harness
Motor Output On	<ul style="list-style-type: none"> • Bad motor or dead short • Welded relay contacts • Low voltage issue 	<ul style="list-style-type: none"> • Check the motor for internal failure or dead short • Replace control
No Call for Heat	<ul style="list-style-type: none"> • No call for heat, control in standby 	
Pump Prime	<ul style="list-style-type: none"> • Reset button has been depressed for 10 seconds 	<ul style="list-style-type: none"> • Check reset button
No Flame	<ul style="list-style-type: none"> • Flame expected, but not detected • Motor, Valve and Ignitor current readings are all above the minimum 	<ul style="list-style-type: none"> • Check CAD cell ohms in fault history • Ohms above tolerance setting
Recycle Limit	<ul style="list-style-type: none"> • Control lockout due to reaching programed recycle limit 	<ul style="list-style-type: none"> • Check for high vacuum • Ensure oil supply sufficient • Burner coupling slipping • Poor flame retention
Low Line Volts	<ul style="list-style-type: none"> • Input voltage below 98 AC 	<ul style="list-style-type: none"> • Check line voltage
High Line Volts	<ul style="list-style-type: none"> • Input voltage over 140 AC 	<ul style="list-style-type: none"> • Check line voltage
Blocked Intake	<ul style="list-style-type: none"> • Control lockout due to CAP System/air intake blocked 	<ul style="list-style-type: none"> • Check outdoor termination point or air intake for obstruction • Check length of intake pipe for damage/obstruction
Blocked Exhaust	<ul style="list-style-type: none"> • Control lockout due to exhaust vent blocked 	<ul style="list-style-type: none"> • Check vent/flue pipe for obstruction • Check chimney for blockage • Check blocked vent switch (if equipped)
No Flame ck Vlv	<ul style="list-style-type: none"> • Control lockout due no flame and low valve power 	<ul style="list-style-type: none"> • Check valve connection and functionality
No Flame ck Mtr	<ul style="list-style-type: none"> • Control lockout due no flame and valve & ignitor power are good, but motor power is low 	<ul style="list-style-type: none"> • Check motor connection and functionality • Check voltage at time of fault • Check motor running amps
No Flame ck Ign	<ul style="list-style-type: none"> • Control lockout due no flame and valve power is good, but ignitor power is low 	<ul style="list-style-type: none"> • Check ignitor connection and functionality
No Limit In	<ul style="list-style-type: none"> • No power detected on limit input 	<ul style="list-style-type: none"> • Check limit input wiring
FlameLate Ck Cad	<ul style="list-style-type: none"> • Flame not seen within first 5 seconds of TFI • Delayed ignition 	<ul style="list-style-type: none"> • Check electrode setting • See other No Flame causes
Ohms Low Ck Cad	<ul style="list-style-type: none"> • CAD cell seeing unexpected light 	<ul style="list-style-type: none"> • Check CAD cell, CAD cell holder, harness wires
Ohms High Ck Cad	<ul style="list-style-type: none"> • Flame is seen, but Ohms high, flame loss potential 	<ul style="list-style-type: none"> • Check combustion set-up • Losing flame retention • High draft or vacuum
Reset Stuck	<ul style="list-style-type: none"> • Reset button held for too long (>10 seconds) 	<ul style="list-style-type: none"> • Ensure reset button not being pressed/stuck
Replace Control	<ul style="list-style-type: none"> • Fatal control condition 	<ul style="list-style-type: none"> • Replace control
Lost Flame	<ul style="list-style-type: none"> • Flame lost during normal operating sequence 	<ul style="list-style-type: none"> • Check CAD cell ohms while the burner is running • Check combustion set-up • Oil line/supply issue • High vacuum or draft
Flame @ Preignit	<ul style="list-style-type: none"> • Unexpected flame during pre-ignition 	<ul style="list-style-type: none"> • Stuck valve • RF interference/AC line noise • Are tabs properly aligned with electrodes
Flame @ Prepurge	<ul style="list-style-type: none"> • Unexpected flame during prepurge 	<ul style="list-style-type: none"> • Stuck valve • If the burner does not have a valve, select "valve delay on" in the set up menu then select "no valve" • RF interference/AC line noise • Are tabs properly aligned with electrodes
Flame@Postpurge	<ul style="list-style-type: none"> • Unexpected flame during postpurge 	<ul style="list-style-type: none"> • Stuck valve • RF interference/AC line noise
Latch Up	<ul style="list-style-type: none"> • 3 consecutive lockouts in a single call for heat 	<ul style="list-style-type: none"> • Correct cause of lockout then press and hold reset button for 30 seconds
CRC Failure	<ul style="list-style-type: none"> • Fatal control condition 	<ul style="list-style-type: none"> • Replace control
Loss of Flame, Post Purge	<ul style="list-style-type: none"> • Control lost flame and entered post purge, followed by Recycle 	<ul style="list-style-type: none"> • Check CAD cell ohms while the burner is running • Check combustion setup • Oil line/supply issue • High vacuum or draft
No Flame; High Motor Current	<ul style="list-style-type: none"> • Lockout due to no flame + motor current not dropping below 50% from its peak startup reading 	<ul style="list-style-type: none"> • Check motor • Check pump