

## Led Indications, Normal Operation

Green, ½ sec on, ½ sec off	Pre-purge, Inter-purge, Post-purge
Green, blinking rapidly	Trial for ignition
Green, on solid	Flame detected, pilot/main burners on

## Led Indications, Error Operation

Upon detection of a fault by the control module's internal diagnostics, sparking is turned off and pilot and/or main gas valve(s) are closed. If alarm option is selected, the alarm output is turned on. The control module then enters lockout mode or standby mode, depending on the error, and flashes a red LED error code. In lockout mode, all operation is disabled. Power removal and/or cycling thermostat to remove the call for heat, thus removing power from the control module, is required to clear the error. In standby mode, the control disables operation until the error is corrected, at which time the normal operation sequence is initiated again. Refer to error codes, TABLE 3, page 13.

### ERROR CODES

TABLE 3

Red Flashes	Error Definition	Error Type
1 flash, then pause	No flame in trial time	Lockout
2 flashes, then pause	Flame sense stuck on	Lockout
3 flashes, then pause	Pilot/Main relay failure	Lockout
4 flashes, then pause	Repetitive flame loss error	Lockout
5 flashes, then pause	Rollout error	Lockout
6 flashes, then pause	APS Airflow error	Lockout
7 flashes, then pause	Internal control error	Lockout
On Solid Red	Line Voltage/Freq Error	Standby

### TROUBLESHOOTING GUIDE

TABLE 4

Symptom	Possible Causes
1. Control does not power up	A. Faulty 24VAC or 120VAC wiring B. Thermostat or transformer C. Bad control module
2. Module Led blinks red	A. Determine error code and refer to error codes, CHART 3, and troubleshooting flowchart, FIG.5
3. Spark not occurring during trial for ignition	A. Faulty spark electrode wiring B. Spark gap too wide C. Bad control module
4. Burner does not light during trial for ignition	A. Faulty valve wiring B. Bad valve C. Control module not sparking
5. Burner lights but valve turns off after trial for ignition	A. Poor flame B. Flame not in contact with spark electrode or sensor C. Dirty contaminated flame sensor D. Faulty flame sensor wiring E. Poor ground at burner