



LED #1 (RED)	LED #2 (GREEN)	DESCRIPTION
SIMULTANEOUS SLOW FLASH	SIMULTANEOUS SLOW FLASH	Power on-Normal operation. Also signaled during cooling and continuous fan.
SIMULTANEOUS FAST FLASH	SIMULTANEOUS FAST FLASH	Normal operation-signaled when heating demand initiated at thermostat.
SLOW FLASH	ON	Primary or secondary limit switch open. Limit must close within 3 minutes or unit goes into 1 hour WatchGuard.
		Pressure prove switch open;
OFF	SLOW FLASH	OR: Blocked inlet/exhaust vent;
		OR: Pressure switch closed prior to activation of combustion air inducer.
ALTERNATING SLOW FLASH	ALTERNATING SLOW FLASH	Watchguard--burners failed to ignite, or flame sense lost 5 times in one heating cycle.
SLOW FLASH	OFF	Flame sensed without gas valve energized.
ON	SLOW FLASH	Rollout switch open. OR: 12-pin connecter improperly attached.
ON	ON	
ON	OFF	Circuit board failure or control wired incorrectly.
OFF	ON	
FAST FLASH	SLOW FLASH	Main power polarity reversed. Switch line and neutral.
SLOW FLASH	FAST FLASH	Low flame signal. Measures below 1.5 microamps. Replace flame sense rod.
ALTERNATING FAST FLASH	ALTERNATING FAST FLASH	Improper main ground OR: Line voltage below 90 volts.
		<b>NOTE</b> -Slow flash rate equals 1 Hz (one flash per second). Fast flash rate equals 3 Hz (three flashes per second) Minimum flame sense current= 0.5 microAmps.