



LED #1 (RED OR GREEN)	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.
OFF	SLOW FLASH	Pressure switch open; OR: Blocked inlet/exhaust vent; OR: Condensate line blocked; OR: Pressure switch closed prior to activation of combustion air inducer.
ALTERNATING SLOW FLASH	ALTERNATING SLOW FLASH	Watchguard--burners failed to ignite, limit open longer than 3 minutes, 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.
ON	ON	
ON	OFF	Circuit board failure or control wired incorrectly. Check 24-volt and 115 volt connections to board.
OFF	ON	
FAST FLASH	SLOW FLASH	Main power polarity reversed. Switch line and neutral. Improper main ground.
SLOW FLASH	FAST FLASH	Low flame signal. Check flame sensor.
ALTERNATING FAST FLASH	ALTERNATING FAST FLASH	The following conditions are sensed during the igniter warm up period only: 1) Improper main ground 2) Broken igniter; OR: Open igniter circuit; 3) Line voltage below 75 volts.
		<i>NOTE-Slow flash rate equals 1 Hz (one flash per second). Fast flash rate equals 3 Hz (three flashes per second) Drop out flame sense current= 0.15 - 0.24 microAmps.</i>

