



GO Regulator electronics, PCB LED flash codes

At start-up, red LED stays lit while green LED flashes for about 3 cycles after some initial flashes. Time between cycles is about 8 seconds.

Green LED flash code after startup (will show this code 3 times):

- 1 – Temperature Range A (55-85F)
- 2 – Temperature Range B (75-175F)
- 3 – Temperature Range C (130-300F)
- 4 – Temperature Range D (260-380F)
- 5 – Manual Control thru CANbus or MODbus

Green LED flash codes while operating:

- 1 – Remote Setpoint
- 2 – Heat OFF
- 3 – Heat ON
- 4 – P Gain Duty Cycle
- 5 – Manual Mode

Green LED operating flash details:

- 1 – Remote Setpoint: Temperature controlled by CANbus or MODbus
- 2 – Heat OFF: Power is not applied to heater. Unit will not heat in this mode
- 3 – Heat ON: Power is being applied to the heater at 100% regardless of what the setpoint is. NOTE: This setting must be used cautiously as the heater will be powered at 100%. Heater damage may result if allowed to overheat.
- 4 – P Gain Duty Cycle: CANbus or MODbus is set to % of heating.
- 5 – Manual Mode: Temperature setpoint is controlled by potentiometer on PCB. This is the normal operating mode unless controlled by CANbus or MODbus.



Red LED flash code:

- 1 – Temp Volt Low
- 2 – Temp HH
- 3 – Temp H
- 4 – Temp L
- 5 – Temp LL
- 6 – Temp Limit Nan
- 7 – Temp Limit Invalid
- 0 – Okay

Red LED flash details:

- 1 – Temp Volt Low: This is an indication that there is an open circuit on heater/thermistor.
- 2 – Temp HH: The actual temperature of the heater is at least 300°C above the setpoint.
- 3 – Temp H: The actual temperature of the heater is above its setpoint.
- 4 – Temp L: The actual temperature of the heater is below its setpoint.
- 5 – Temp LL: The actual temperature of the heater is at least 60°C below the setpoint.
- 6 – Temp Limit Nan: This indicates that the setpoint has not been properly set.
- 7 – Temp Limit Invalid: The setpoint set by bus software is not valid.
- 0 – Okay: The heater temperature is within 2 degrees of its setpoint.

