

GP-SL050 Audible Feedback

Symptom	Diagnosis	Check:
One beep every 5 seconds when the gate is in motion.	There is no AC power present. The battery voltage is low.	<ul style="list-style-type: none"> • GFI • Circuit Breaker • Connections in the Field Wiring Connection Compartment • Battery Connections • Battery Voltage • Load Test Battery
One beep every 10 seconds when the gate is idle.	<p>The battery is critically low.</p> <p>If #4 dip switch is in the FAIL SAFE position and the gate is at the OPEN Limit, the operator will be disabled until AC power is restored and the battery voltage has reached 26 vdc.</p> <p>If #4 dip switch is in the FAIL SECURE position and the gate at the CLOSED Limit, the operator will be disabled until AC power is restored and the battery voltage has reached 26 vdc.</p>	<ul style="list-style-type: none"> • GFI • Circuit Breaker • Connections in the Field Wiring Connection Compartment • Battery Connections • Battery Voltage • Load Test Battery
1 beep with 2 seconds pause	The revolution counter circuit board is not being detected.	<ul style="list-style-type: none"> • Check Connections for Limit Sensors on Logic Board
2 beeps with 2 seconds pause	The logic board does not detect the motor drive board connections.	<ul style="list-style-type: none"> • Check BLDC Speed Control connections on Logic Board and Motor Drive Board
3 beeps with 2 seconds pause	The gate has traveled outside the maximum allowable limit of the operator.	<ul style="list-style-type: none"> • Check Limit Sensor Connections on Logic Board
4 beeps with 2 seconds pause	The motor has moved in the wrong direction.	<ul style="list-style-type: none"> • Check BLDC Speed Control connections on Logic Board and Motor Drive Board
5 beeps with 2 seconds pause	No movement was detected from the motor twice.	<ul style="list-style-type: none"> • Check path of Gate for obstructions. • Loose connection on motor wires at motor drive board • Bad BLDC Speed Control Harness
6 beeps with 2 seconds pause	Main processor or firmware error	Logic Board is faulty and needs to be replaced.
7 beeps with 2 seconds pause	EEPROM and/or Flash Memory error	Logic Board is faulty and needs to be replaced.
Continuous alarm while gate is running	Bad BLDC Speed Control Harness	<ul style="list-style-type: none"> • Replace BLDC Speed Control Harness
Warning buzzer upon activation, but no operations	Motor Drive Board not functioning	<ul style="list-style-type: none"> • Replace BLDC Speed Control Harness • Replace Motor Drive Board

GP-SL050 Visual Feedback

-Symptom	Diagnosis	Check:
Cycle LED ON brightly Status Light flashes	Cycle terminal shorted to Com	<ul style="list-style-type: none"> • Push button or key on keypad is stuck. • Wire between push button, keypad, etc. and cycle terminal is shorted • Check terminal voltage with respect to Com to ensure you read 12 vdc.
Safety LED ON brightly Status Light flashes	Safety terminal shorted to Com	<ul style="list-style-type: none"> • Photo beam or loop detector is sensing a presence. • Relay on photo beam or loop detector is shorted or latched. • Wire between photo beam or loop detector and safety terminal is shorted. • Check terminal voltage with respect to Com to ensure you read 12 vdc.
Shadow LED ON brightly Status Light flashes	Shadow terminal shorted to Com	<ul style="list-style-type: none"> • Photo beam or loop detector is sensing a presence. • Relay on photo beam or loop detector is shorted or latched. • Wire between photo beam or loop detector and shadow terminal is shorted. • Check terminal voltage with respect to Com to ensure you read 12 vdc.
Open Edge LED ON brightly Status Light flashes	Open Edge terminal shorted to Com	<ul style="list-style-type: none"> • Edge sensor is sensing an obstruction. • Relay from edge sensor is shorted or latched. • Wire between edge sensor and open edge terminal is shorted. • Check terminal voltage with respect to Com to ensure you read 12 vdc.

GP-SL050 Visual Feedback

-Symptom	Diagnosis	Check:
Close Edge LED ON brightly Status Light flashes	Close Edge terminal shorted to Com	<ul style="list-style-type: none"> • Edge sensor is sensing an obstruction. • Relay from edge sensor is shorted or latched. • Wire between edge sensor and open edge terminal is shorted. • Check terminal voltage with respect to Com to ensure you read 12 vdc.
Open LED ON brightly Status Light flashes	Open terminal shorted to Com	<ul style="list-style-type: none"> • Push button is stuck. • Exit wand, Loop detector, Photo beam, etc., is sensing a presence. • Relay from Exit wand, Loop detector, Photo beam, etc. is shorted or latched. • Wire from Exit wand, Loop detector, Photo beam, etc. is shorted. • Check terminal voltage with respect to Com to ensure you read 12 vdc.
Close LED ON brightly Status Light flashes	Close terminal shorted to Com	<ul style="list-style-type: none"> • Push button is stuck • Check terminal voltage with respect to Com to ensure you read 12 vdc.
Stop LED ON brightly Status Light flashes	Stop and Com terminals open.	<ul style="list-style-type: none"> • W1 is cut and normally open button is wired to Stop and Com. • W1 is cut and no normally closed push button is wired to Stop and Com. • Wire between normally closed push button and Stop terminal is cut or disconnected. • Check terminal voltage with respect to Com to ensure you read 0 vdc.