

Solid Green	Good beam signal properly aligned
Alternating flash	Poor beam signal
Solid Red	No beam signal, or command

NOTE: Depending on the monitoring system used by the gate motor, it may be necessary to use either the N.C. output or the N.O. output with a 10kΩ resistor. Please refer to the gate operator manual or the gate operator manufacturer for the preferred monitoring method.

Specifications	
Type	Reflective photoelectric beam
Operating voltage	12-30V DC/AC 60Hz, 100mA
Sensing range sensor	35ft
Current draw	Standby (15m) 55mA@12VDC Active 40mA@12VDC
Response time	10ms
Light source	IR
LED indicators	Green & Red
IP Rating	IP55 Weatherproof
Operating temperature	-13~140° F (-25~60° C)

Troubleshooting

Sensor does not detect the object

- Change the angle of the sensor or readjust the sensitivity setting

The beam sensor LED will not turn green

- Clean the sensor and reflector with a damp (not wet) cloth
- Adjust the reflector and/or sensor for proper alignment

Beam sensor LED lights when object is detected, but no output

- Check cable from sensor to gate operator and test sensor



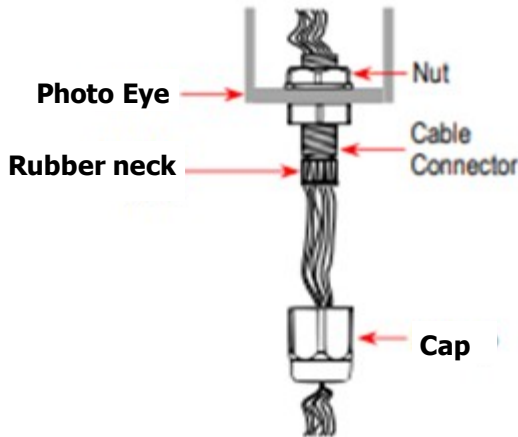
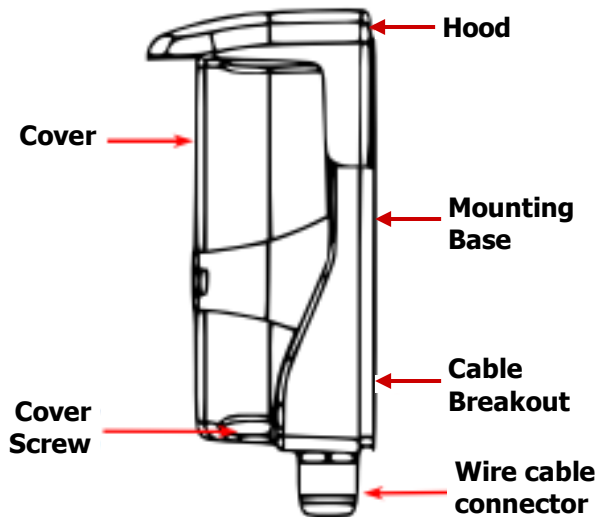
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California Proposition 65 Warning: These products may contain chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

WARRANTY: This Superior Gate Control Inc. product is warranted against defects in material and workmanship while used in normal service for one (1) year from the date of sale to the original Installing customer only. Superior Gate Controls Inc. obligation is limited to the repair or replacement of any defective part if the unit is returned, transportation prepaid by customer, to Superior Gate Controls Inc.. This Warranty is void if damage is caused by or attributed to acts of God, physical or electrical misuse or abuse, neglect, repair or alteration, improper or abnormal usage, or faulty installation, or if for any other reason Superior Gate Controls Inc. determines that such equipment is not operating properly as a result of causes other than defects in material and workmanship. The sole obligation of Superior Gate Controls Inc. and the purchaser’s exclusive remedy, shall be limited to the replacement or repair only, at Superior Gate Controls Inc. option. In no event shall Superior Gate Controls Inc. be liable for any special, collateral, incidental, or consequential personal or property damage of any kind to the purchaser or anyone else. **NOTICE:** The Superior Gate Controls Inc. policy is one of continual development and improvement. For that reason, Superior Gate Controls Inc. reserves the right to change specifications without notice. Superior Gate Controls Inc. is also not responsible for misprints.

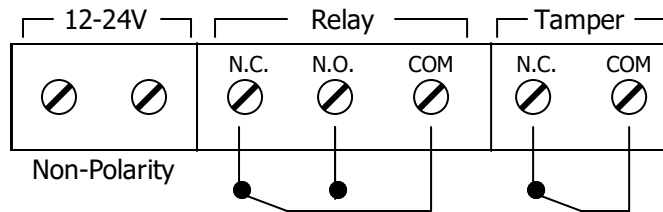
Mounting

1. Unscrew the four cover screws and remove the cover.
2. Using the included mounting screws, attach the mounting Base.
3. Use the cable breakout at the bottom or rear of the sensor to run the wires.
4. If using bottom attach Wire Cable Connector. (not supplied)
5. Wire Photo Eye.
6. Adjust Beam Sensor.
7. Re-attach the cover, replace the four screws, and attach the hood to the top of the sensor



Wiring Bottom Cable Breakout

1. Remove the protective cover for wire cable connector. (not supplied)
2. Run the wires through the cap and cable connector.
3. Screw the cap back to cable connector to prevent water from entering the photo eye



Wiring

Polarity is not important for the power input, connect 12-24V.

Connect relay according to gate operator manual.

Tamper TP1 & TP2 N.C terminal, connect to the circuit of alarm panel to prevent unauthorized cover removal. TP stands for Tamper Proof.

Alignment (see diagram on back)

1. Mount the Photo Eye and Reflector so that they face each other.
2. Connect power to the sensor. The LED will light as indicated in the chart shown at right below.
 - A. Solid **Green** Good beam signal, properly aligned
 - B. Alternating flash Solid **Red** Poor beam signal / No beam signal.
- NOTE: Depending on the monitoring system used by the gate motor, it may be necessary to use either the N.C. output or the N.O. output
3. To find the correct alignment, slowly turn the lens assembly left and right to adjust the horizontal angle.
4. Loosen the vertical adjustment screw to adjust the vertical angle.
6. Re-attach the cover, replace the four screws, and attach the hood to the top of the sensor by sliding the hood's ridges into the slots on the sides of the sensor.
7. Close the cover securely to prevent water from entering the sensor. Horizontal adjustment Lens alignment $\pm 90^\circ$ Vertical adjustment $\pm 5^\circ$ Please refer to the gate operator manual or the gate operator manufacturer for the preferred monitoring method.