Sick Through-Beam Photo Eye Wiring with MGM Control Panel

Written By: Trent Borgardt

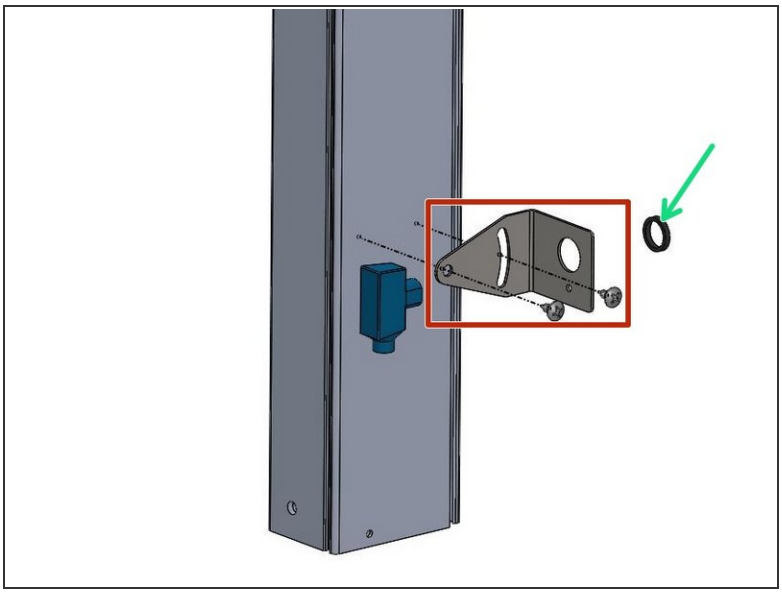


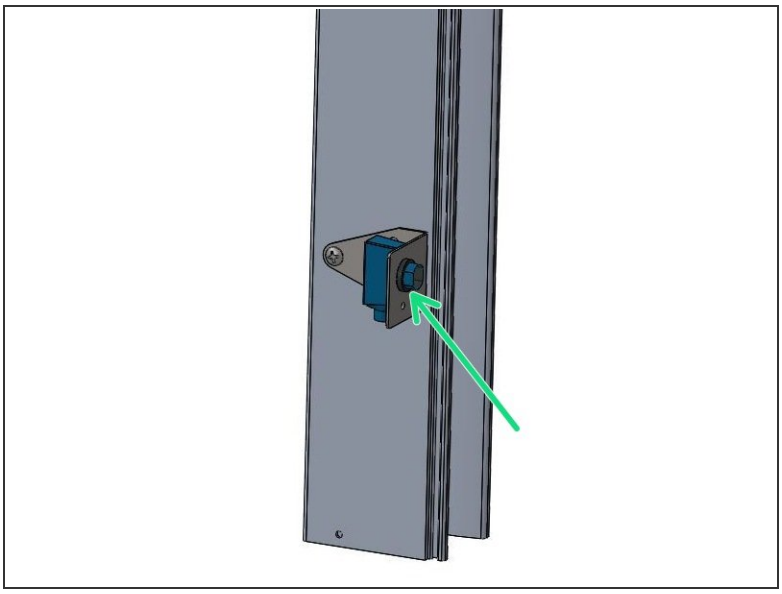
Step 1 — Sick Photo-Eyes: Sensors and Cables



- With each Sensor Kit, there will be (2) 15m Cables with Connectors on One End, and Bare Wires on the Other.
- The Connectors will Screw Directly onto the Sensors.
- Using the Free Ends of the Cables, Wire them into the Terminal Block inside the Goff's Provided Control Panel.
- The Receiver has (2) LEDs on the Top of the Unit.
- The Transmitter has (1) LED on the Top of the Unit.

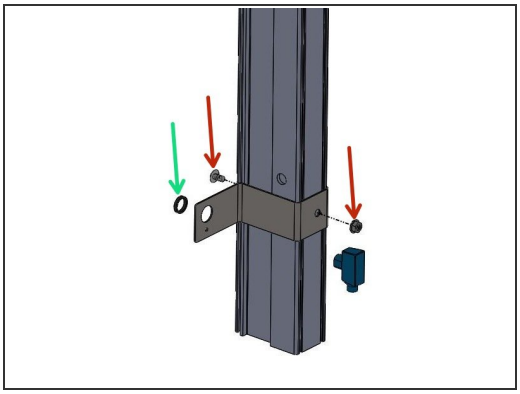
Step 2 — Installing the Sick Sensors - G2 (Aluminum) Tracks

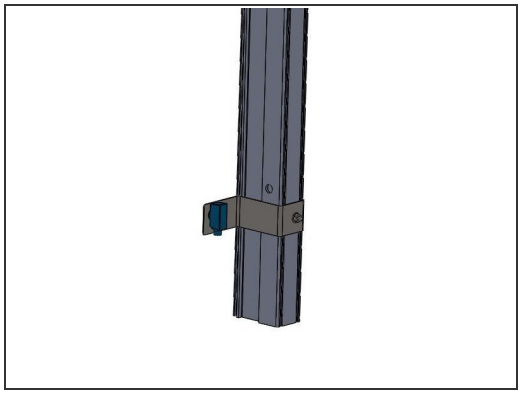


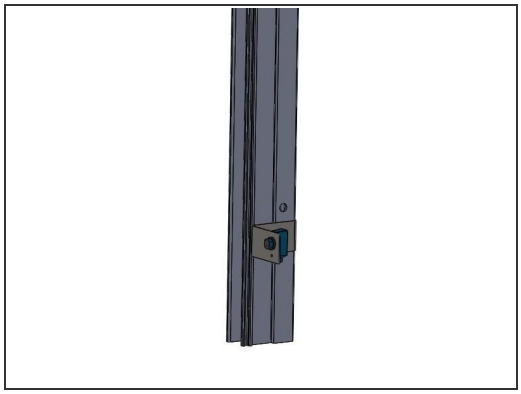


- Use the Provided Fasteners to Mount your SICK Photo-Eye Brackets at the Desired Height.
- Thread the Plastic Nuts directly onto the Sensors to Secure them to the Brackets.

Step 3 — Installing the Sick Sensors - Plastic/PVC Tracks



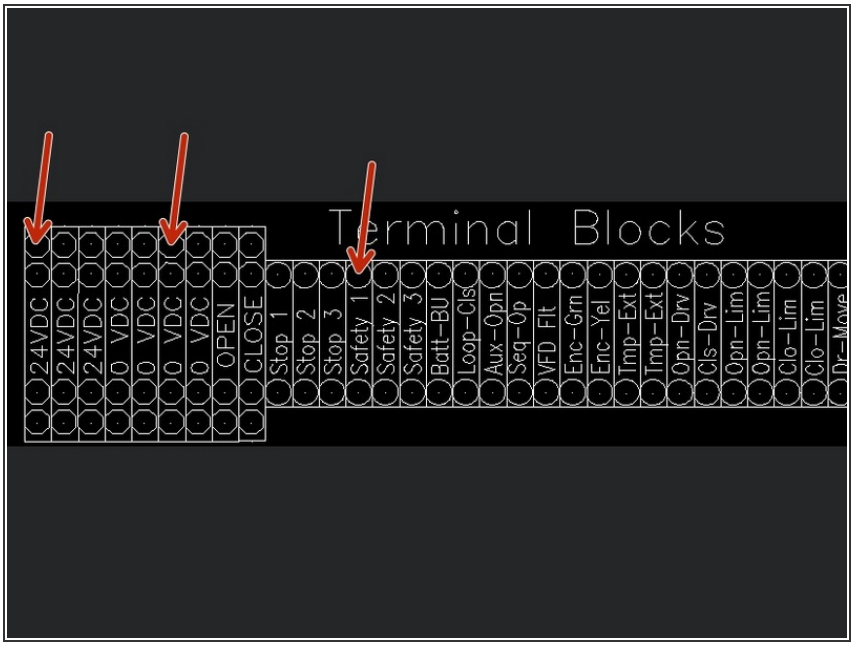




ⓘ Pre-Drill Clearance Holes for the 1/4-20 Fasteners, at the Desired Sensor Height.

- Use the Provided 1/4-20 Screws and Serrated Flange Nuts to Mount your SICK Photo-Eye Brackets using the Holes previously drilled.
- Thread the Plastic Nuts directly onto the Sensors to Secure them to the Brackets.

Step 4 — Sick Receiver Wiring (Inside Control Panel)

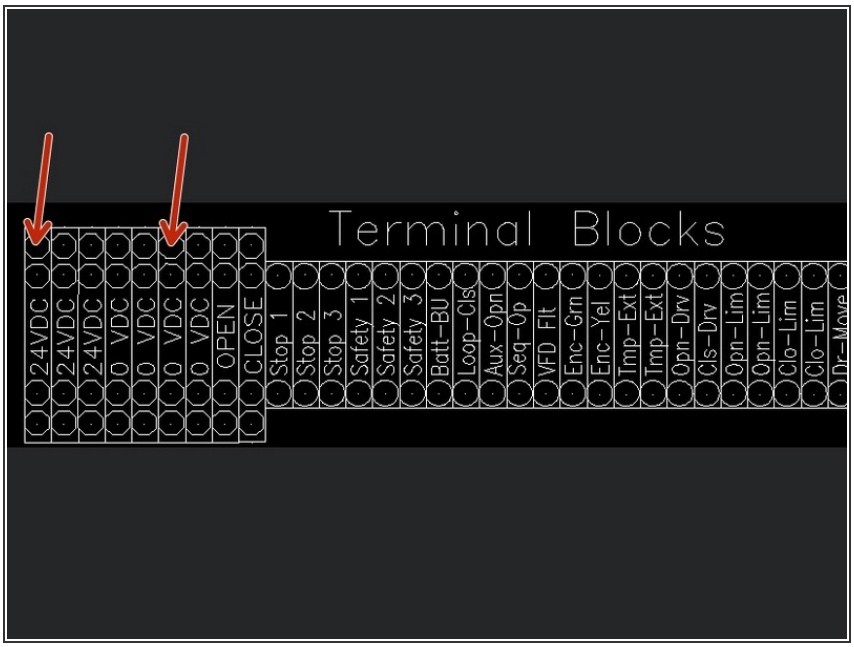


- The Receiver can be Identified by its 2 LEDs on the top of the unit.

⚠ REMOVE FACTORY JUMPER WIRE BETWEEN 24VDC AND SAFETY 1.

- Receiver Wiring:
  - Brown Wire - 24VDC
  - Blue Wire - 0VDC
  - Black Wire - SAFETY 1
  - ⓘ White Wire - NOT USED

Step 5 — Sick Transmitter Wiring (Inside Control Panel)



- The Transmitter can be Identified by its Single LED on the top of the unit.
- Transmitter Wiring:
  - Brown Wire - 24VDC
  - Blue Wire - 0VDC