Photo Eye, Through Beam - SICK Wiring with SMC Controller

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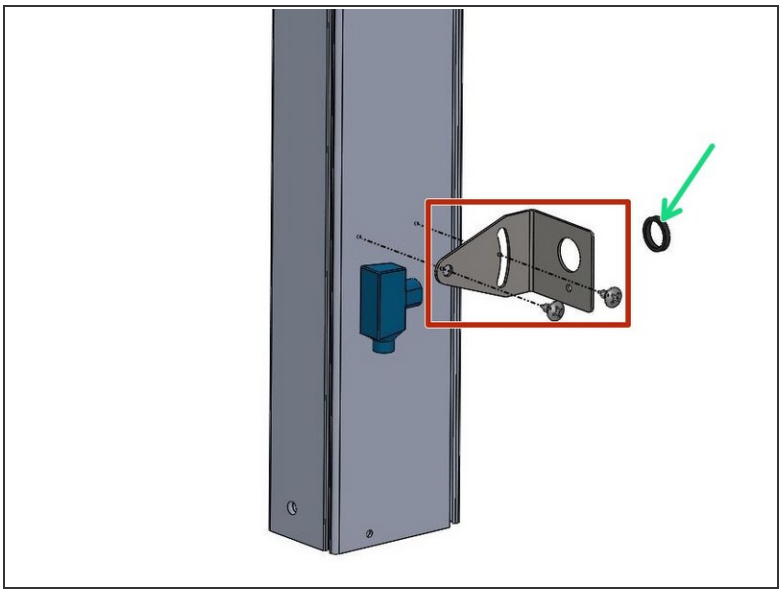


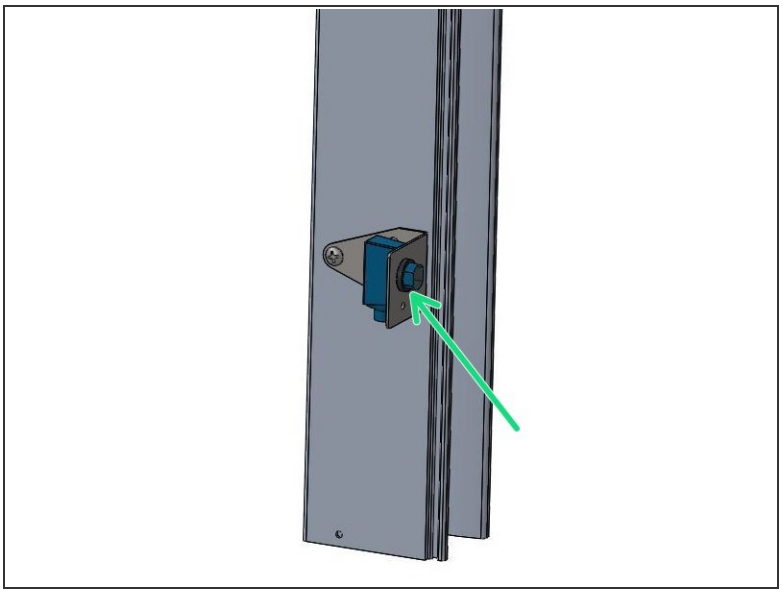
Step 1 — Sensors and Cables



- 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.

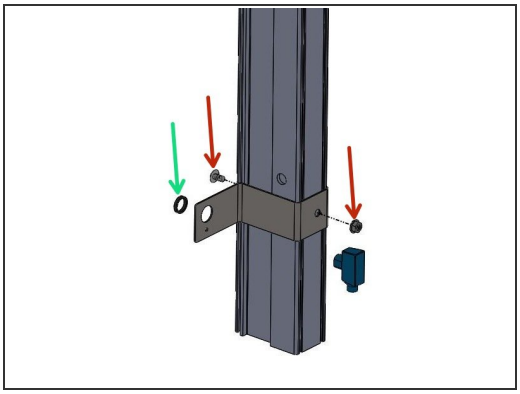
Step 2 — Installing the Sensors - G2

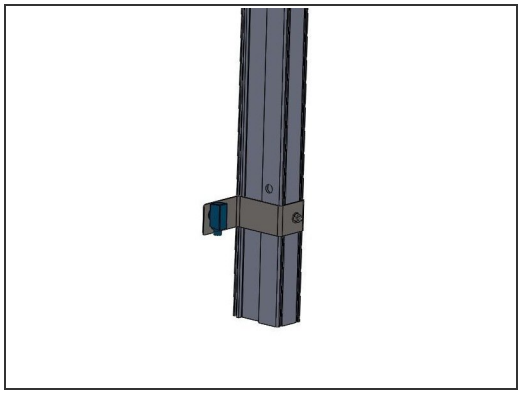


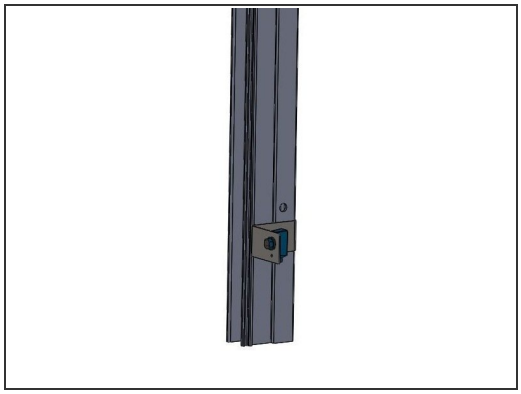


- Use the Provided Fasteners to Mount your SICK Photo-Eye Brackets at the Desired Height.
- Thread the Plastic Nuts directly onto the Sensors to Secure them to the Brackets.

Step 3 — Installing the Sensors - G1







ⓘ 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 — Receiver Wiring (At Controller)

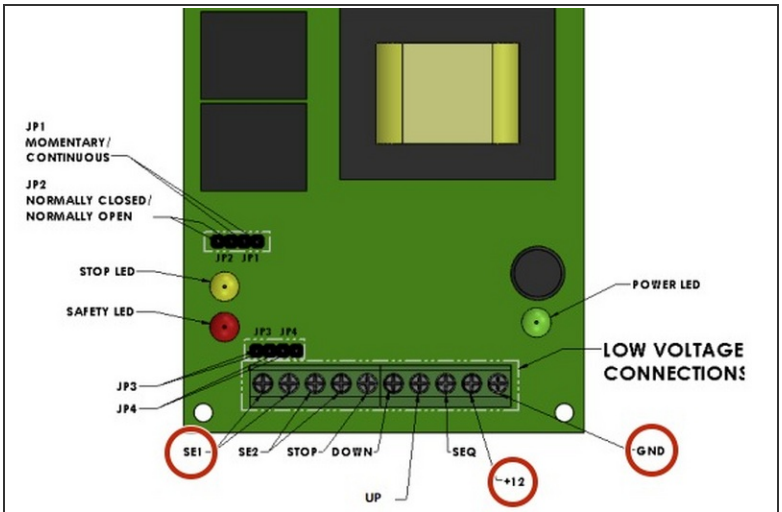


Figure 1: SMC Controller Schematic

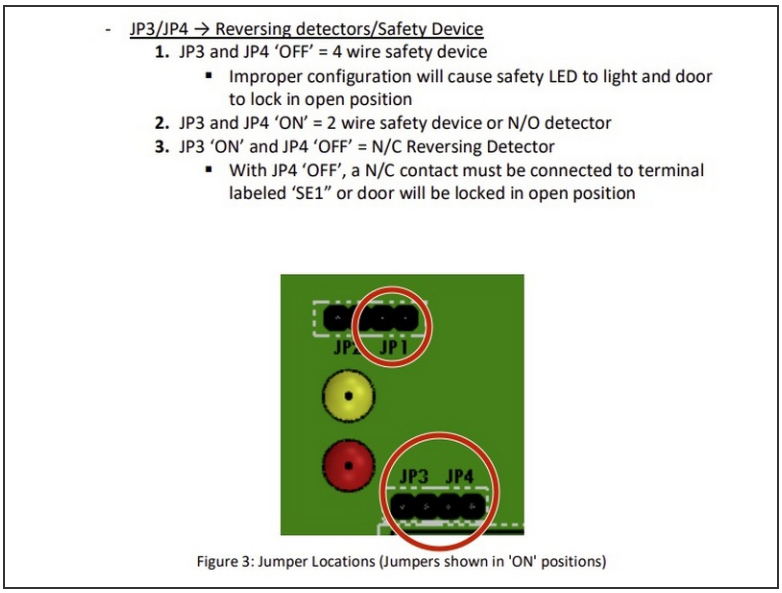


Figure 3: Jumper Locations (Jumpers shown in 'ON' positions)

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

- Receiver Wiring:
  - Brown Wire to +12
  - Blue Wire to GND
  - White Wire to SE1

⚠ JP3 Jumper 'ON'

⚠ JP4 Jumper 'OFF'

⚠ JP1 Jumper must be 'OFF' for Safety Circuit to Function.

Step 5 — Transmitter Wiring (At Controller)

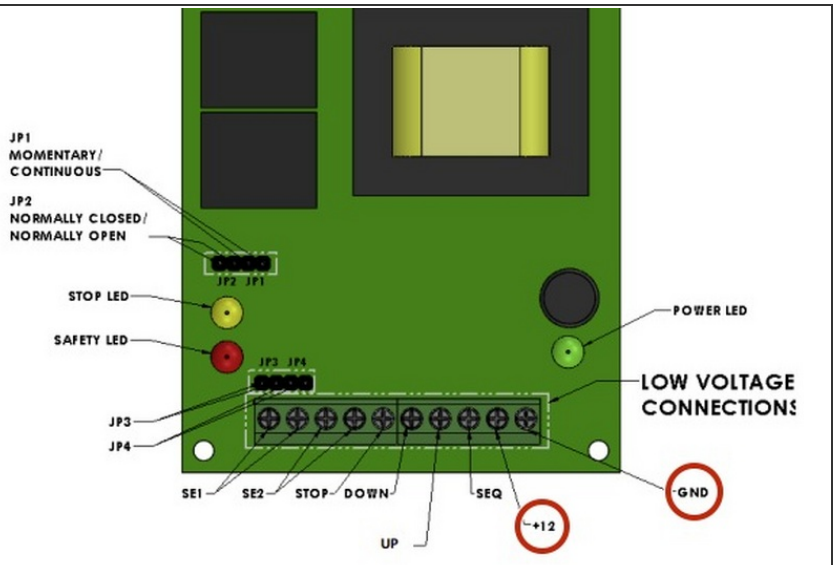


Figure 1: SMC Controller Schematic

ⓘ The Transmitter can be Identified by its Single LED on the top of the unit.

- Transmitter Wiring:
  - Brown Wire to +12
  - Blue Wire to GND