

MONITORED REFLECTIVE PHOTOEYE KIT INSTALLATION

For Commercial/Industrial Door Operators

⚠ CAUTION ENSURE POWER TO THE OPERATOR HAS BEEN TURNED OFF AFTER CLOSING THE DOOR AND PRIOR TO PERFORMING THIS PROCEDURE. USE OF AN APPROVED LOCKOUT/TAGOUT PROCEDURE IS RECOMMENDED.

Tools Required: Drill, Drill Bit Index, Screw Driver Bits, Wire Cutter/Stripper, Wire Connectors (x-2).

Kit Contents: One (1) Reflective Photoeye Sensor (w/6' electrical supply wire), One (1) Reflector, Two (2) Mounting Brackets, One (1) Protective Shield, Four (4) #10-16 x 1.25" Self-tapping Screws

Description: This Reflective Photoeye Kit provides an entrapment protection device to safeguard electrically operated doors in accordance with UL325 and is designed for indoor and outdoor use.

Technical Data: Power Consumption = 50mA max.
Supply Voltage = 6 to 40VDC
Operating Environment = Wet or Dry, -22° to 140°F
Operating Range = 5 to 35 ft.

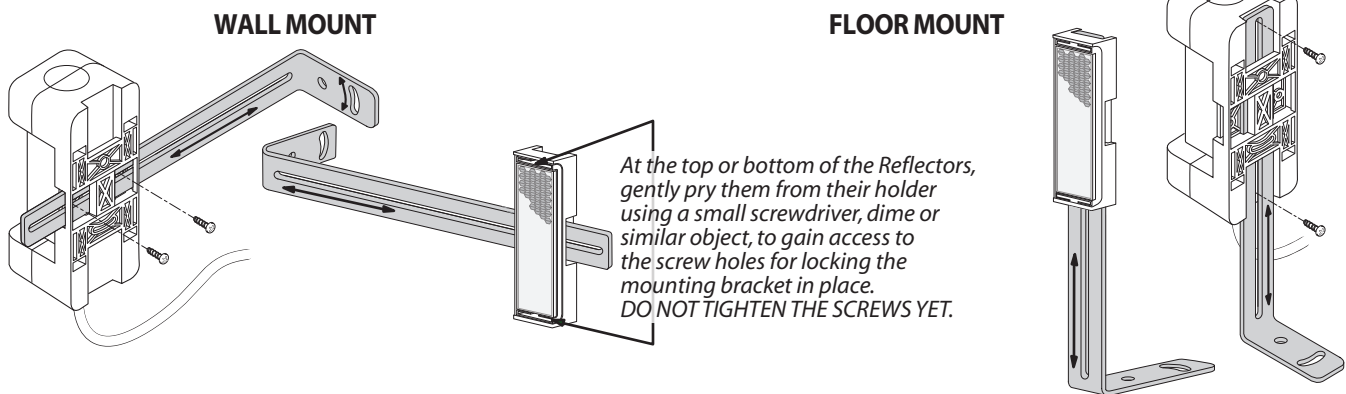
INSTALLATION

1. DETERMINE a mounting location:

- Mounting height should be 5-6" above the floor.
- Sensor unit should be mounted on the side of the door opening which receives the least amount of direct sunlight, or if necessary, can be mounted further from the door opening (range of 35 ft.) where it will be out of the direct sunlight.

2. MOUNT the Sensor and Reflector:

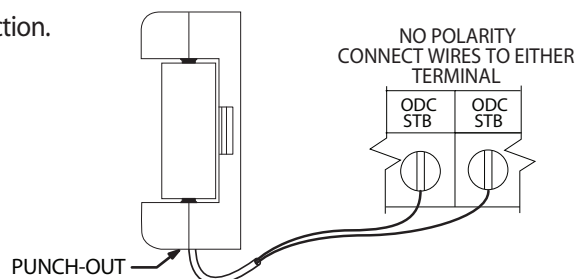
- Can be mounted on the wall or floor (fasteners not provided).
- Insert the mounting bracket into the slots on back of the Sensor and Reflector.



- Adjust distance from the wall so that there is a clear line of sight between the Sensor and Reflector.

3. WIRE the Sensor to the door operator:

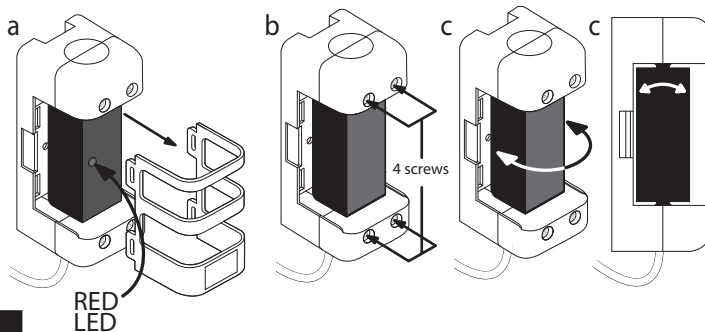
- Consult operator manual for additional instruction.



- If using conduit, remove the punch-out on the cable side of the Sensor with pliers to gain access to the female threads. Use a connector with a 1/2"-14 NPSM thread.

4. ALIGN the Sensor with the Reflector:

- Adjustments can be made as shown.
 - Slide shield off Sensor unit.
 - Loosen the 4 screws at front of Sensor.
 - Sensor can be swiveled as shown.
 - Sensor and Reflector can slide along the mounting bracket. See Step 2.



ALIGNMENT STATUS CHART

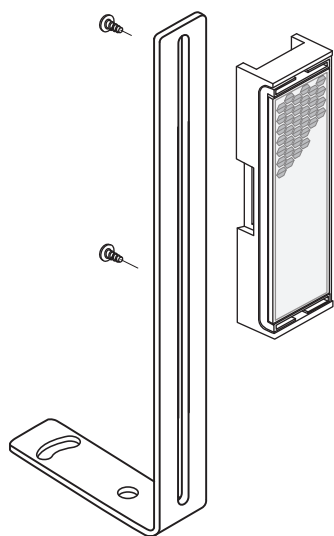
LED	STATUS
Off	Alignment correct
On	Misaligned or Beam is obstructed.
Blinking Fast	Not properly aligned. Sensor or Reflector dirty.
Blinking Slowly	Not 100% aligned

5. AFTER PROPER ALIGNMENT:

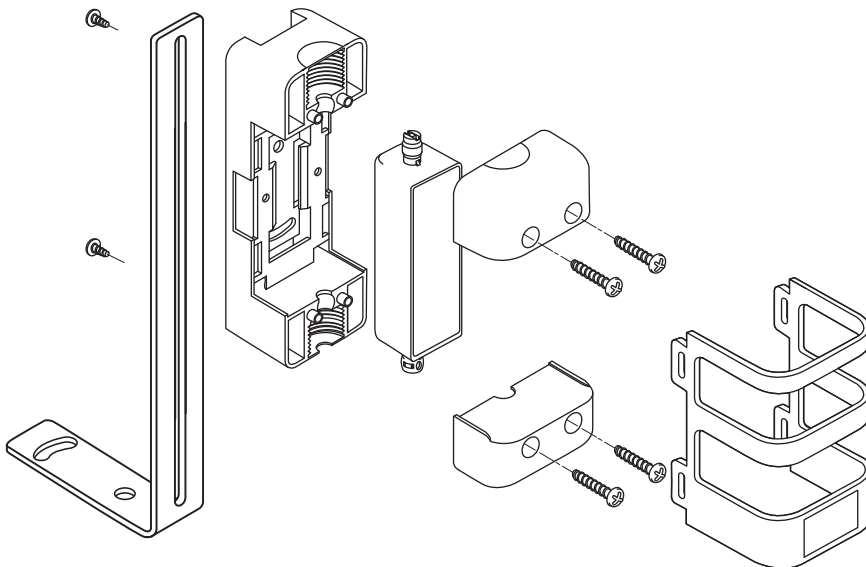
- Tighten all screws
 - Front of Sensor
 - Sensor and Reflector to mounting bracket screws.
- Replace the shield.
 - Widest section (with label) should be near the wiring end of the Sensor.

NOTE: If the shield is not installed, The Sensor does not meet UL325 standards.

NOTE: When properly installed on a commercial door, the door should not close when the photo beam is obstructed. This can be verified by placing an object in the path of the beam and trying to close the door. Or by passing an object through the path of the beam while the door is closing.



REFLECTOR



SENSOR