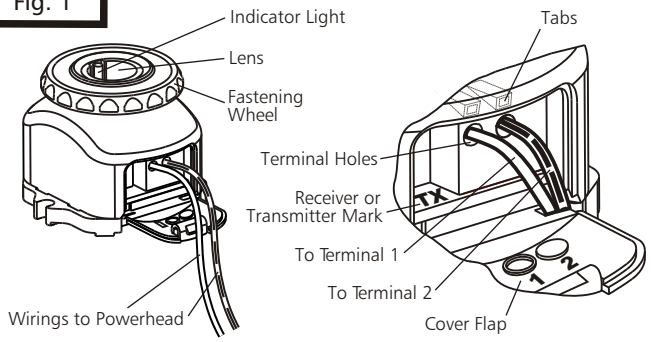
Photo Eye
Instructions for Model: M4-705

Connecting Wires to Photo Eye:

- Open the cover flap in the front of the photo eye.
- Insert stripped ends of wires into terminal hole by pushing directly into hole. To remove wiring, depress the terminal "tab" and pull wiring out. See Fig. 1 and Fig. 6.
- Place the wires in the slot from the right side of the cover.

Fig. 1



To provide the maximum amount of protection, the photo eye sensors must be mounted between 3" and 5" above the floor.

Mounting the Photo Eye Sensors directly to Wall:

- Locate the installation position. See Fig. 2.
- Mark and drill two 1/16" pilot holes into wall. (If mounting to drywall instead of wood, drill 3/16" pilot holes and use anchors provided.)
- Using the round-head screws, secure the photo eye sensor to the wall.
- Repeat process for the other photo eye sensor.

Mounting the Photo Eye Sensors to Bracket:

- Attach the sensor cap and the sensor cap fastener to the bracket. See Fig. 3 A.
- Locate the mounting position for brackets (bracket can be mounted in any position as long as photo eye beam will have a clear path from one side of door to the other side after mounting).
- Mark and drill two 1/16" pilot holes into wall. (If mounting to drywall instead of wood, drill two 3/16" pilot holes and use anchors provided.)
- Using the round-head screws provided, secure the bracket to the wall.
- Attach the photo eye sensor to the bracket. See Fig. 3 B.
- Repeat process for the other bracket.
- Align photo eye sensors, so they face each other.

Mounting the Photo Eye Sensors to Door Track:

- Attach the photo eye sensor to the bracket. See Fig. 3A and 3 B.
- Locate mounting position for the brackets (the bracket can be mounted in any position as long as photo eye beam will have a clear path from one side of door to the other side after mounting).
- Attach the bracket to the door track using a 1/4" X 5/8" track bolt and a 1/4" flange nut (not supplied with the photo eyes). See Fig. 4.
- Repeat process for the other bracket.
- Align photo eye sensors so they face each other.

Fig. 2

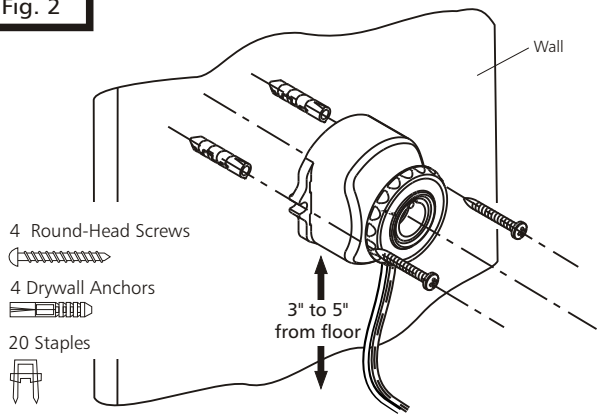


Fig. 3

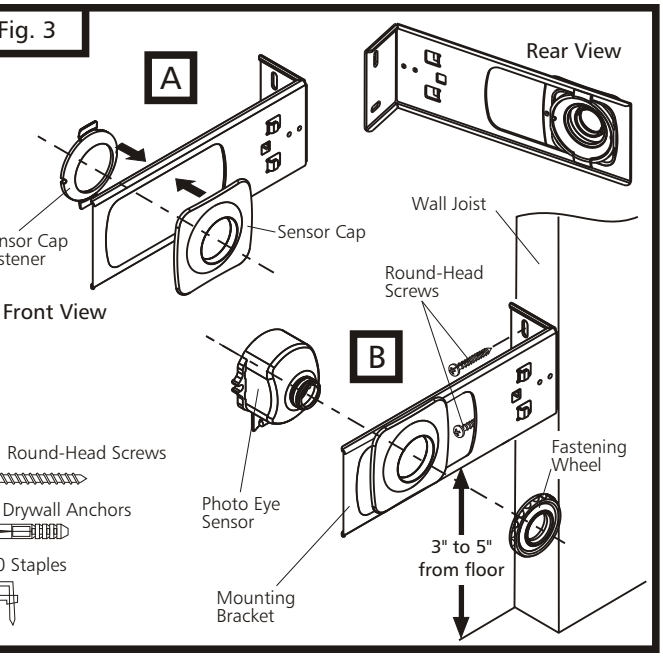


Fig. 4

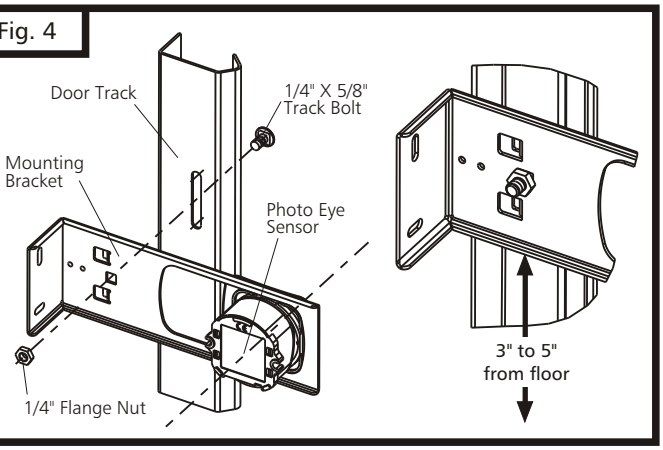


Photo Eye
Instructions (continued)

Dual Door Installation:

- In dual door installations, the transmitter (TX) and the receiver (RX) photo eye sensors (as marked on each of the photo eye components) should be mounted as indicated in Fig. 5. TX and RX marks located on the top side of the PCB, near the the terminal (see Fig. 1).

Connecting Wires to Powerhead:

- Route wiring through clip on bottom of photo eye sensor holder, then run wires along the wall and the ceiling to the powerhead. Use the staples provided to secure wiring to the wall, joists and/or ceiling. Do not pinch wires. Drive staples with enough force to hold wires in place.
  Note: As an alternative, the wires can be routed along the top of the rail assembly, or along the outside of the door track. Be sure the wires are routed away from all moving parts of door and rail.
- Open the control panel cover.
- Feed wires through the wire guide from the top of chassis into the terminal area of control panel. See Fig. 6.
- Separate the double wire from each photo eye sensor into two single wires.
- Strip about 1/2" of insulation from the end of each of the four single wires.
- Combine the white wires from each photo eye sensor and twist stripped ends together tightly.
- Insert the stripped end of white wire combination firmly into terminal hole #1 by pushing directly into hole. If wires are difficult to insert, a screwdriver may be used to depress the terminal "tab" while inserting the wires. To remove wiring, depress tab again and pull wiring out.
- Repeat procedure for the white wires with color stripes, but insert them into terminal hole #2.

Align the Photo Eye Sensors (Bracket Mounted):

- Photo eye sensors maintain an invisible, unbroken beam between each other. When the photo eye sensors are connected to the power head and the power is on, the green light on the transmitter sensor will illuminate. When the sensors are aligned, the red light on the receiver sensor will illuminate.
- If necessary loose the fastening wheel on each photo eye sensor. Rotate the eye sensor in the sensor cap or slide it inside the adjustment area of the bracket until eyes are aligned and the red light on the receiver photo eye sensor illuminate. See Fig. 7.
- Tighten the fastening wheel firmly by hand on each assembly to secure each photo eye sensor in position.

Fig. 5

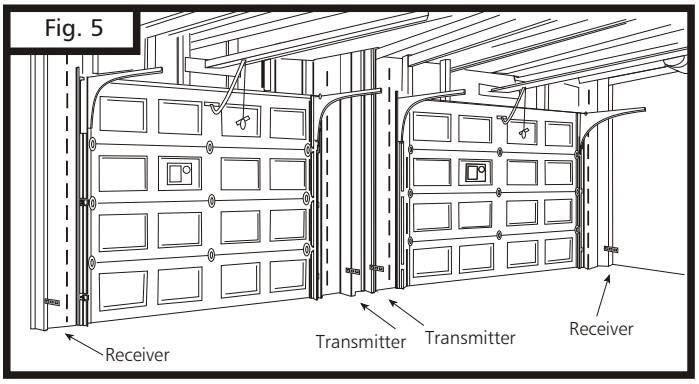


Fig. 6

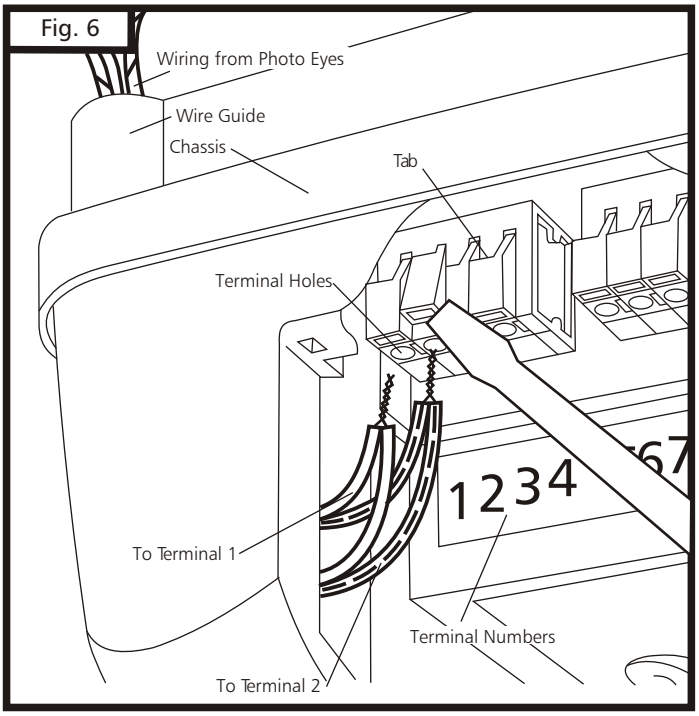


Fig. 7