

8-10. INSTALL PHOTO EYE SAFETY SYSTEM

To provide the maximum amount of protection, the photo eye must be mounted between 3" and 5" above the floor. See Figs. 28 and 29.

MOUNTING PHOTO EYE DIRECTLY TO WALL:

- Locate installation position. See Fig. 28.
- Mark and drill 1/16" pilot hole into wall. (If mounting to drywall instead of wood, drill 3/16" pilot hole and use anchors provided).
- Insert tapered-head screw provided for the top holder hole into wall. Do not tighten screw so head is flush with wall, allow screw head to protrude (approximately 3/8") from wall.
- Position the top slot hole on the back of the holder onto screw and push down to lock in place.
- Mark hole location through the curved channel slot. Swing photo eye assembly and drill second pilot hole.
- Insert second screw through the curved channel slot at the bottom of the holder. Adjust photo eye assembly for straightness before tightening screw.
- Repeat process for other photo eye and holder.

MOUNTING PHOTO EYE TO BRACKET:

- Locate mounting position for brackets (brackets 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). See Fig. 29.
- Mark and drill two 1/16" pilot holes into wall. (If mounting to drywall instead of wood, use anchors provided and drill two 3/16" pilot holes).
- Using round-head screws provided, secure bracket to wall.
- Attach photo eye assembly to bracket by aligning tabs and center pin and snapping into place (orient assembly so that wiring exits downward from the bottom).
- Repeat process for other bracket.

FOR BOTH TYPES OF MOUNTING:

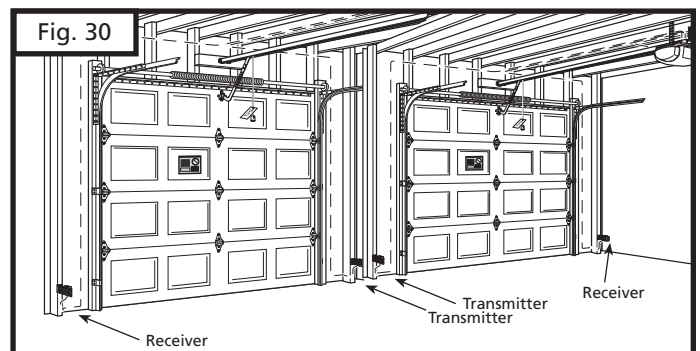
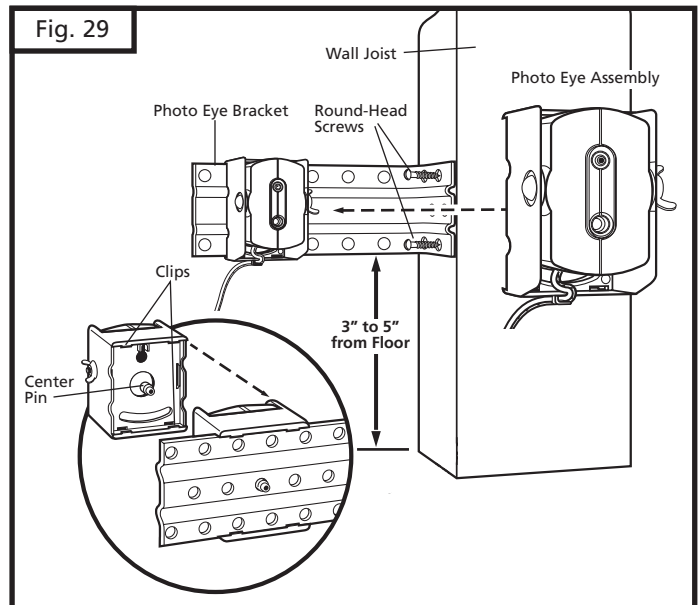
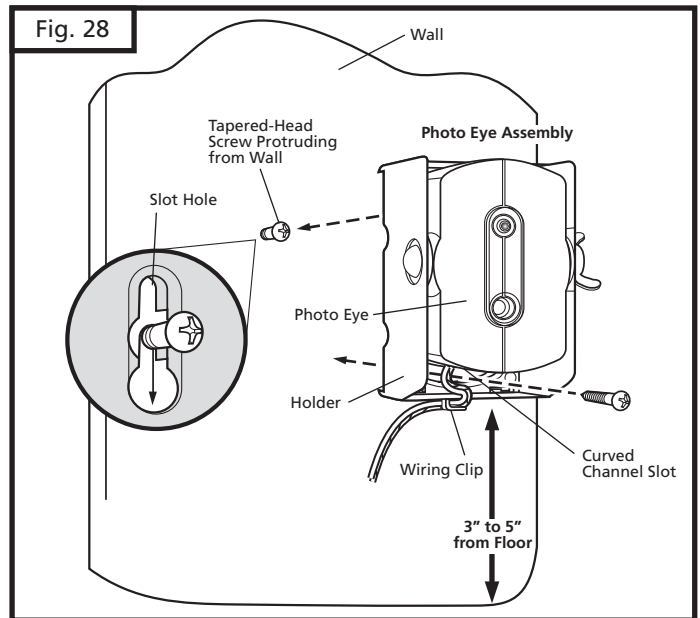
- Align photo eyes so they face each other. See Figs. 45 and 46, on p. 20. Later in this manual you will be instructed to check the operation of the photo eyes, and will be able to readjust the alignment if needed.
- Tighten wing nut on each photo eye assembly by hand. Photo eyes will now be secured in position inside holder.

NOTE: In dual door installations, the "Transmitter" and "Receiver" (as marked on each of the photo eye components) should be mounted as indicated in Fig. 30.

8-11. INSTALL WALL CONTROL PANEL

The control panel must be mounted inside the garage with-in sight of the garage door, clear of all moving garage door parts or any associated parts—and at least 5 feet above the floor to prevent the use of these controls by children. The device should only be used when the door is in clear sight of the user and the door area is free of people or any obstructions.

- Attach 2-conductor wire to the screw terminal on back of control panel. See Fig. 31-1 (Back). White wire attaches to terminal #3 screw, white wire with color stripes attaches to terminal #4 screw.



8-11. INSTALL WALL CONTROL PANEL (cont'd)

- Locate position where top mounting screw will go. Mark location on wall.
- Drill 1/16" pilot hole into wall. (If mounting to drywall, drill 3/16" pilot hole and use anchors provided).
- Insert top screw into wall. **DO NOT TIGHTEN FLUSH WITH WALL.** Leave screw head out approximately 1/8" from wall. See Fig. 31-1 (Front).
- Position wall control panel onto screw, and push down to lock into place.
- Mark hole location through bottom screw hole. Swing wall control and drill second pilot hole.
- Insert screw through bottom hole from the front, and tighten screw to secure control to wall.
- Make sure wiring is routed out from behind control through one of the recessed cutouts to avoid pinching the wires.

Doorbell-Type Pushbutton

Follow the same steps as above with one exception, mark both mounting holes at same time, then drill and secure unit to wall (in the case of the doorbell-type Pushbutton, it does not matter which wire attaches to which terminal. See Fig. 31-2.

8-12. CONNECTING WIRES TO POWERHEAD

- Run wires from wall control panel and photo eye system along wall and ceiling to opener powerhead. Use the staples that are provided to secure wiring to wall, joists and ceiling. Do not pinch wiring. Drive staples with only enough force to hold wiring in place. Refer to Fig. 9 on p.7 for an example of typical wiring routing.

NOTE: As an alternative for photo eye system, the wiring can be routed along the top of the rail, or along the outside of the door track. Be sure the wiring is routed away from all moving parts of the door and rail.

- Separate 2" of double wire from each photo eye 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 and twist stripped ends together tightly. Do the same with color striped wires.
- Open the control panel by slightly pulling on the panel cover cutout, then allowing the cover to hang open.
- Feed control panel and photo eye system wires through wire guide from the top of the chassis into terminal area of control panel.
- Firmly insert white wire combination into terminal hole #1 by pushing directly into hole. Insert color striped wire combination into terminal #2.

NOTE: If wires are difficult to insert, a screwdriver may be used to depress the terminal "tab" while inserting the wires. To remove wires, depress tab again and pull wires out.

- Insert white single wire from wall control into terminal #3 and single color striped wire into terminal #4.

NOTE: Multiple wall controls may be installed in parallel with wires connected to terminals #3 and #4.

