



Sensor Installation Instructions

Installation Tools

1. 9/16 Socket or Open End Wrench
2. 1/4" Hex Allen Wrench
3. Small Phillips and Flat Head Screw Drivers
4. Guard Rail Cutting Tool (Saw or Razor Cutters)

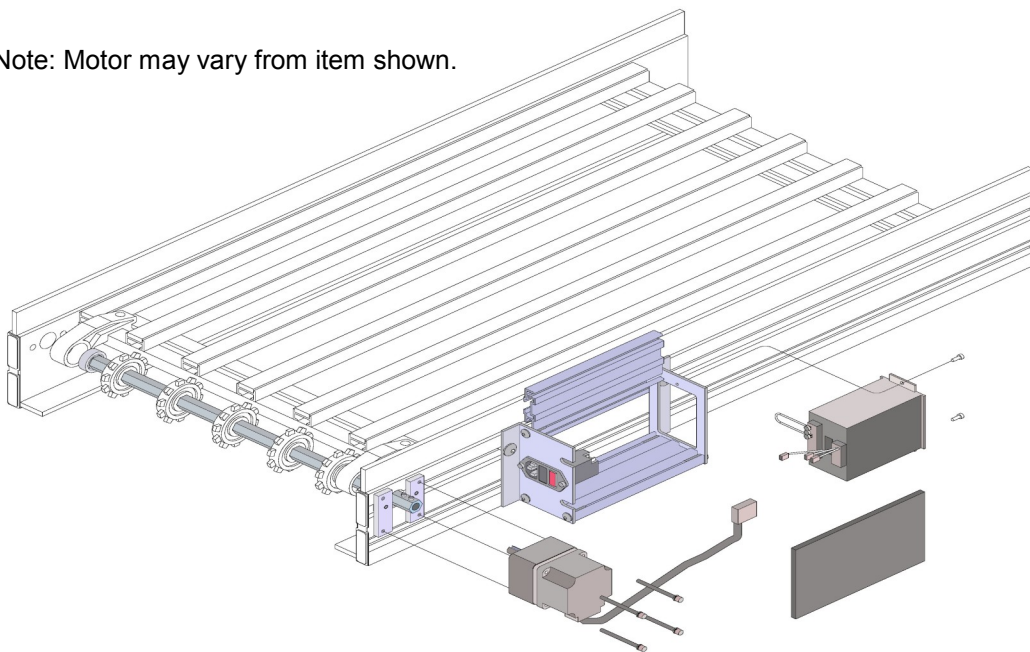
Read Before Starting

Read Owners Manual regarding safety guidelines before installing. Installation requires power cord removed from control box.

Mounting Sensor to Conveyor

1. Locate Sensor on sideframe within reach of the control box. (If you want to mount beyond the length of the standard cable supplied, you will have to replace the 4 wire cable assembly or request the sensor with a longer cable.)
2. Install the sensor to the sideframe with the hardware and bracket provided.
3. The 1" high Guard Rail will block the sensor from "seeing" across the conveyor and will therefore require a section removed directly in front of the sensor eye. To do this, mark the area to be removed. Remove the Guard Rail. Cut off the interfering section. Reinstall the remaining Guard Rail.
4. Install the self-adhesive reflector on the opposite Guard Rail in line with the sensor. (Use ammonia or window cleaner to prepare the surface before applying the self-adhesive reflector.) (Note: The sensor is also supplied with a plastic reflector for optional mounting methods .)

Note: Motor may vary from item shown.



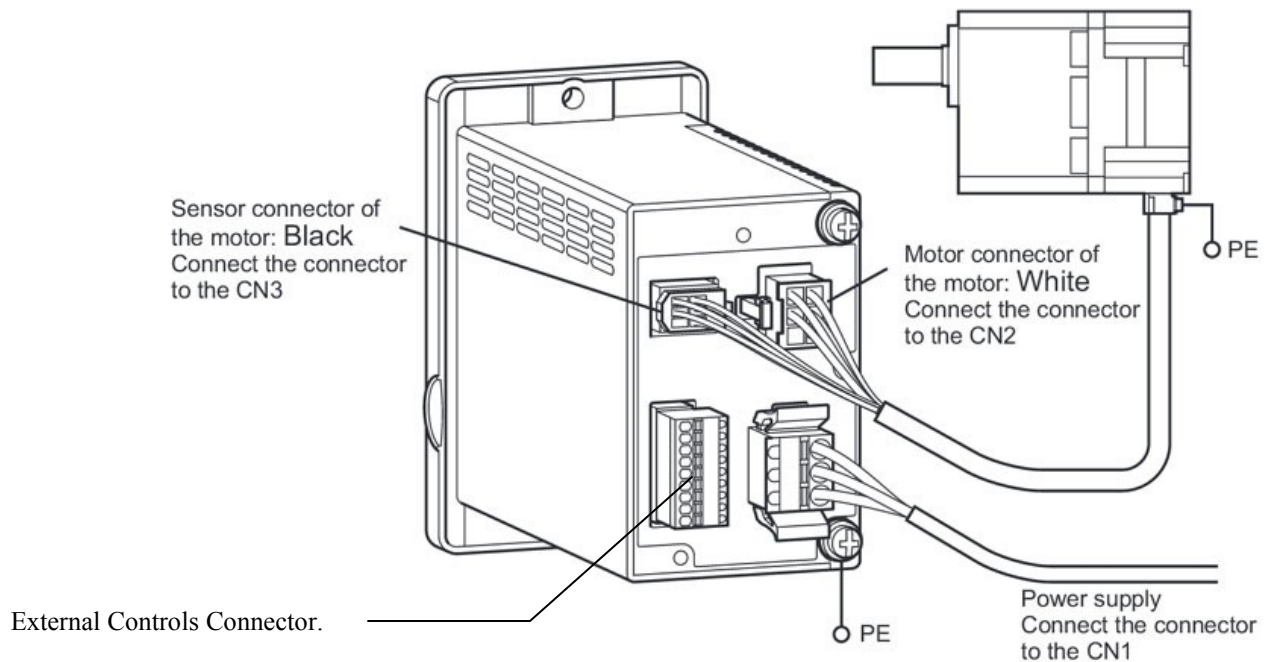
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For more information, please visit our website at safeconveyor.com



Sensor Installation Instructions

Preparing for Wiring the Sensor

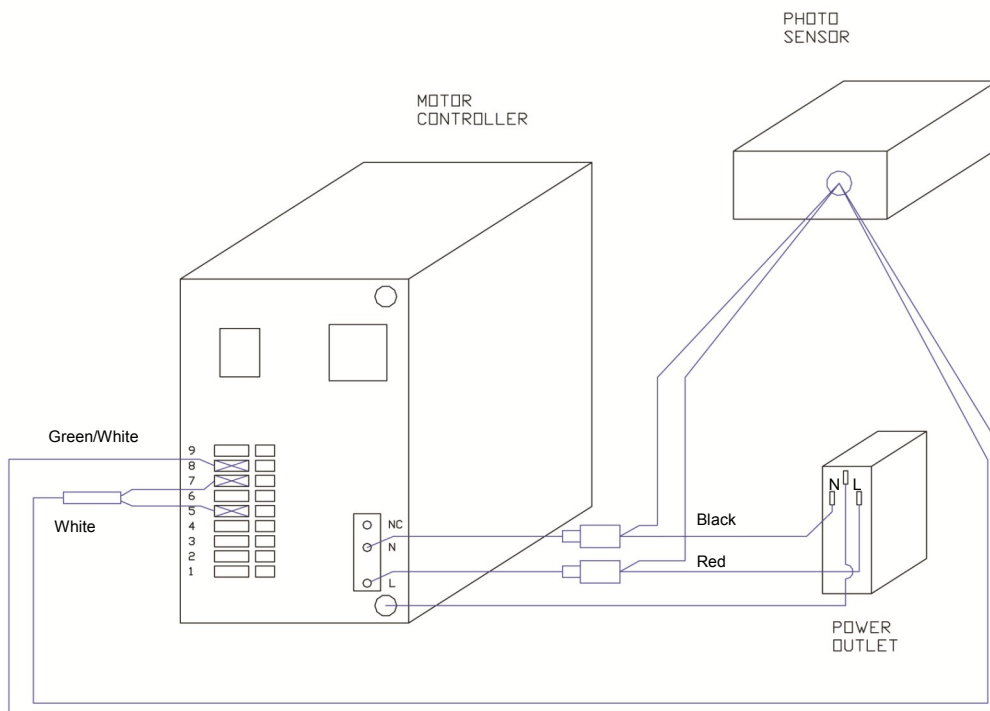
1. Open the Motor Control Box using the 1/4" Hex Allen Wrench to remove the top front screws.
Caution: Make sure the power cord has been removed!
(Read the owners manual regarding access to the motor box.)
2. Rotate the top cover of the motor control box to gain access to the front panel. Grasp the front panel and slide out.
3. Remove the motor controller front panel. (See Page 11 of Motor manual.)
4. Unscrew panel mounting screws and slide the controller out of frame or tilt the controller to gain access to the rear connectors of the controller and wires on the power switch outlet. (You will need to be able to "push" on the orange buttons of the connector to install new wires.)
5. Follow the instructions on Wiring the Sensor on page 3.





Wiring the Sensor

1. Insert 2 white wires to #5 & #7 of the external controls connector. (See manual for how to install wires into connector).
2. Insert green/white wire to #8.
3. Disconnect "L" and "N" from power outlet and re-install into the new harness from the sensor using the male inline connectors and connect to matching colors of wires.
4. Attach the new red wire to the "L" and the black wire to "N" on the power switch outlet.
5. Once wired, you can reinstall the controller and reassemble the Motor Control Box. Place the sensor wire through the available slot on the Motor Box side panel.
6. Tie-wrap the sensor wire to the motor cable to protect the sensor cable from being accidentally "pulled" out of the Motor Box.
7. The sensor manual will provide details as to how you can set timer delays or how to start/stop the



Program the Motor Controller for External signal input

1. Refer to page 19, section 7.1 to set the "ioEn" parameter to "on". This will allow the sensor to control the motors on/off.

Motor running in wrong direction? If the motor runs in the wrong direction after re-wiring, slide the switch (located on the front panel of the motor controller.) to the opposite direction.

Running the belt in the wrong direction will drastically reduce load capacity and will cause the belt to run erratically with "hopping" and "skipping" motion.