



## **Sensor Installation Instructions**

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### Installation Tools

1. 9/16 Hex Wrench
2. Small Phillips Head Screw Driver
3. 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 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.)
5. Open the Motor Control Box, (Make sure the power cord has been removed! Read the owners manual regarding access to the motor box.)
6. Once you have access to the rear of the Motor Controller, you can install the wires from the sensor following the attached diagram. (Make sure the colors are correct as you would not want to connect the internal switch of the sensor to any of the power sources of the controller.)
7. Once wired, you can reassemble the Motor Control Box. Place the sensor wire through the available slot on the Motor Box side panel.
8. Tie-wrap the sensor wire to the motor cable to protect the sensor cable from being accidentally "pulled" out of the Motor Box.
9. The sensor manual will provide details as to how you can set timer delays or how to start/stop the conveyor when the sensor is activated.

**About the Sensor Control of the Motor:** The internal sensor switch is used to START the conveyor by creating a necessary connection from COM to either CW or CCW. (The motor will not run if one of these terminals is not connected to COM. )

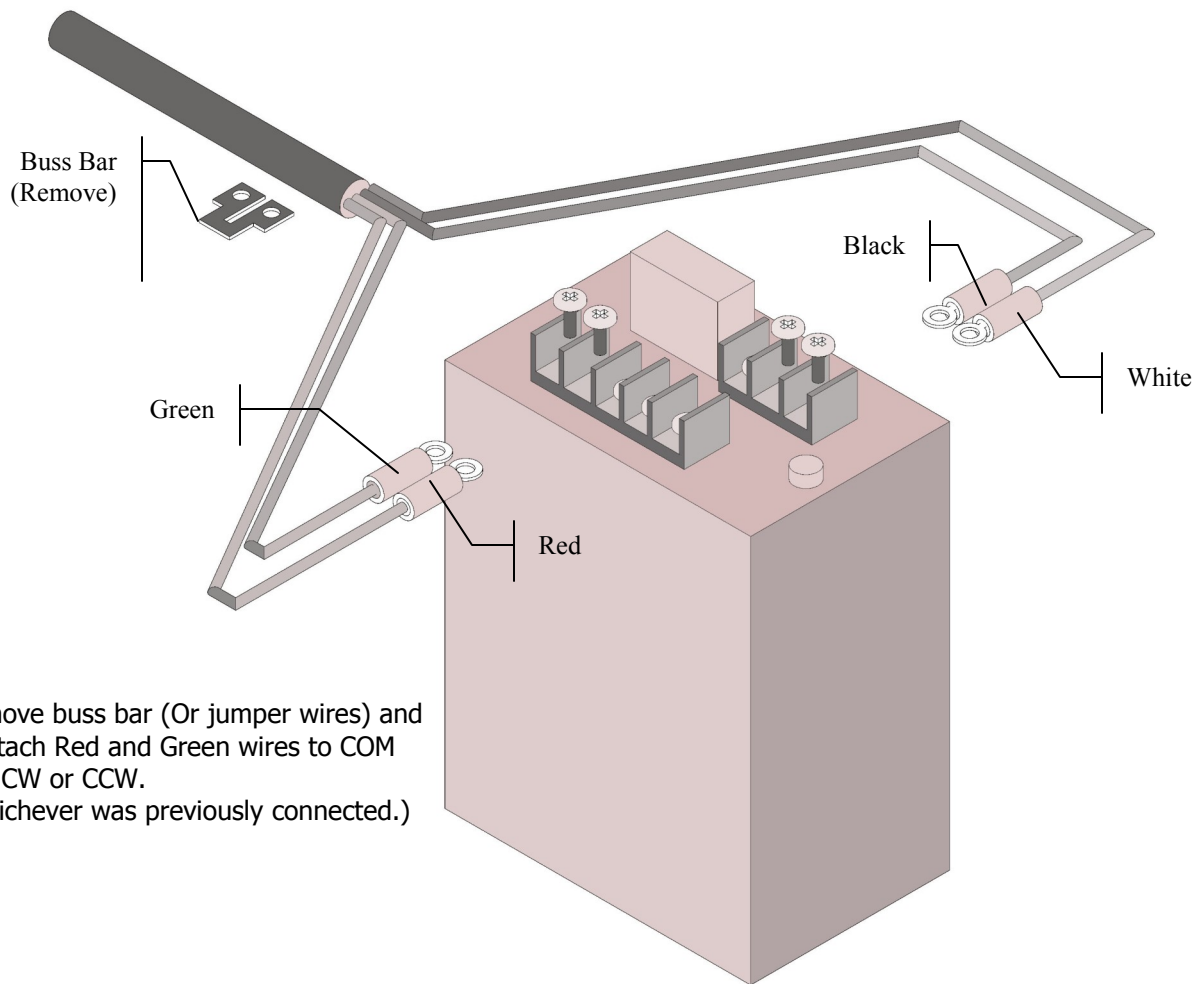
**Motor running in wrong direction?** If the motor runs in the wrong direction after re-wiring, switch the wire from either CW or CCW. Note:

**Running the belt in the wrong direction** will drastically reduce load capacity and will cause the belt to "hop" or "skip" when loaded. Tightening the belt to reduce skipping will only exacerbate the problem as the belt needs to be loose and hanging down to create a "Catenary sag" for proper sprocket engagement.



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Attach Black wire to terminal "N" and White wire to terminal "L".



Remove buss bar (Or jumper wires) and reattach Red and Green wires to COM and CW or CCW. (Whichever was previously connected.)