

Photo Eye Quick Installation Procedure with Rev-138, or older revision Software

1. Make sure AC Power and battery power are turned OFF on the operator. After you have mounted the operator. Connect all the devices to the operator except the photo eye. Do not connect the photo eye to the operator at this point.
2. Turn the power on. Wait for 10 seconds.
3. Press and hold the Open button on the main board to move the Limit CAM to activate the Open Limit Switch.
4. Next Press and hold Close button on the main board for about 3 to 4 seconds to deactivate the Open Limit Switch. Now both Open & Close Limit Switches are deactivated.
5. Now the PBD green LED is ON. Safety LED is OFF.
6. Connect the photo eye to the PBD connector on the main board.
7. Turn the motor breaker OFF.
8. Press Open button once on the main board.
9. At this time both PBD green LED and Safety green LED are ON if the photo eye receiver is not aligned with the transmitter/reflector lens.
10. Right now it is the best time try to do your best to align the photo eye transmitter/reflector lens with the receiver.
11. If the alignment is good, the Safety LED is OFF. If the Alignment is not good, the Safety green LED is ON. PBD green LED is still ON.
12. Once you have aligned the photo eye receiver with transmitter/reflector lens. You can secure both receiver and transmitter/reflector lens.
13. Once you have secured the photo eye receiver and the transmitter/reflector lens. Double check the PBD LED and Safety LED. The PBD green light should be ON and the Safety LED should be OFF.
14. Turn motor breaker ON.
- 15. Next press Reset button on the operator to reset the operator. Wait for about 15 seconds.**
16. At this time. Everything should be OK now. If operator not working. Please go back from step 1.

Reflector Photo Safety Eye Quick Installation Procedure **With Rev-139, or later revision Software**

17. Make sure AC Power and battery power are turned OFF on the operator. After you have mounted the operator, connect all the devices to the operator.
18. Take out the 4-Pin green connector at the GUARD terminal from the main board.
19. Turn the power on. Wait for 10 seconds.
20. Turn the motor breaker OFF.
21. At this time, both PBD green LED and Safety green LED are ON, if the photo eye receiver is not aligned with the transmitter/reflector lens.
22. Right now it is the best time try to align the photo eye transmitter/reflector lens with the receiver.
23. First select the proper location to install the reflecting lens, and secure it with a screw.
24. Next select a good location to install the photo eye receiver. You can move the photo eye receiver up and down, left and right until it is aligned with the lens.
25. If the alignment is good:
 - a. The safety LED on the board is OFF.
 - b. The signal LED in the receiver will be off.
 - c. If you block the light, the alarm will make a Bee sound every time you block the light.
26. If the Alignment is not good:
 - a. The Safety green LED is ON. PBD green LED is still ON.
 - b. The Signal LED in the Receiver is still ON.
 - c. If you try to block the light, there is no Bee sound coming from the alarm.
27. Once you have aligned the photo eye receiver with transmitter/reflector lens, you can secure both receiver and transmitter/reflector lens.
28. Once you have secured the photo eye receiver and the transmitter/reflector lens, double check the PBD LED and Safety LED. The PBD green light should be ON and the Safety LED should be OFF.
29. Turn motor breaker ON.
30. Put the 4-pin Green Connector back to the GUARD terminal.
- 31. Next press reset button on the operator to reset the operator. Wait for 15 seconds.**
32. At this time, everything should be OK now. If operator not working. Please go back from step 1.

Note:

It is a bad habit to install the receiver first, then trying to install the lens. It is very hard for one person to do this. If you have two people, then it would work out to install the receiver first.