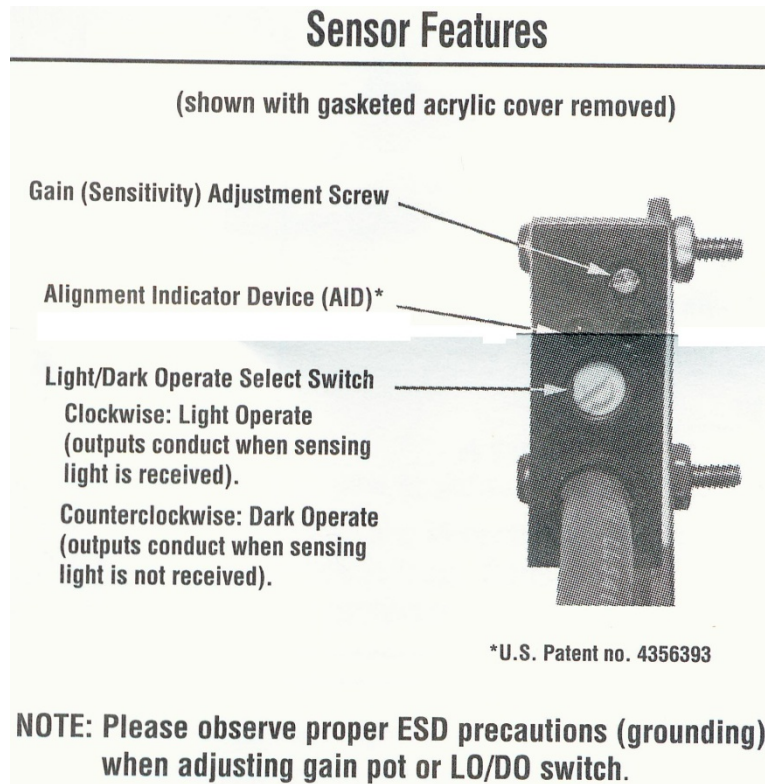


## TC-300 TAPER CONTROL

The photo-eyes are operating in the "diffuse" mode. The light/dark switch is factory set to "light operate" (control fully clockwise); sensors will operate when object is present. The gain control is also factory set and should not require further adjustment; however, this is the procedure.



1. Motor off with power on
2. Remove cover from sensor mounting box.
3. Mount photo-sensor fiber optic cable end to within 3/8" to 1/2" under box that is between compression rails.
4. Very gently turn gain control screw cw until red LED light comes on.
5. Now turn control ccw until red LED goes off.
6. Repeat 4 and 5 again going slowly.
7. When LED goes out after repeating step 5, turn control a few degrees more in the ccw direction.
8. Replace clear cover on sensor and cover on sensor box.

Sensor distance to box can vary depending on reflectivity of box surface; white liners can be as 3-1/2", where a very dark shade may need to be as close as 3/8". A distance of about 2" is typical. Remember, the infrared light is emitted from half of the cable fibers then is reflected off of the box and transmitted back by the other half of the fibers, try experimenting with distances. Crittenden Conversion Corporation (800)755-7894 Moses Lake, Washington State Hours: 07:00 -15:30 Mon – Fri.