

Setting up the Discrete Laser Sensor – (for Single Probe application)

Discrete laser sensor must be set-up before putting into use. Follow the steps below for proper set-up procedure.

1. Mount the laser sensor in a location free of material flow, and with-in proper range (8 to 80 inches / 200 mm to 2000 mm)
2. Wire laser sensor as per connection diagram (see diagram)
3. Laser sensor needs to be set to “Light Operate” (**LO**), if the “**LO**” indicator light is “Off” press the (OFF Delay & ON-Delay) buttons concurrently (same time) three times , this will toggle from “DO” to “LO”. (see figure 1)

LO/DO Indicators

Dark Operate

Light Operate

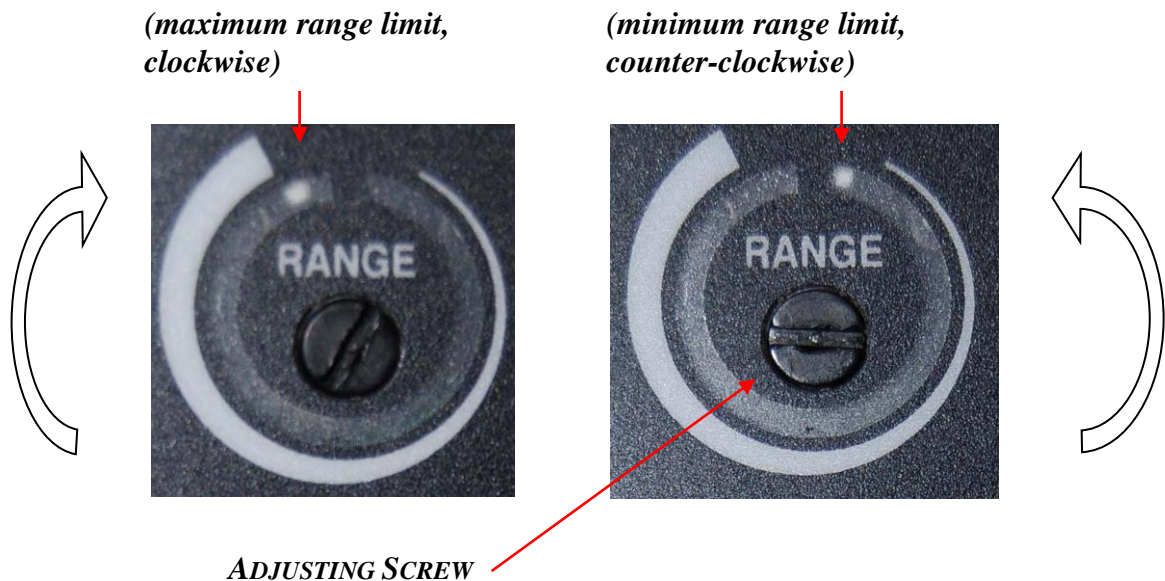


Press
Concurrently

(Figure 1)

4. **IMPORTANT NOTICE**; Before adjusting the range, the slotted adjusting screw, (2-turn), has a mechanical stops (clockwise & counter-clockwise). **Over-turning the adjustment screw will cause damage, and void warranty.**

Notice; the white dot, (see figure 2 below), this shows the maximum / minimum range limit positions.



(Figure 2)

5. To set the range, first adjust the laser beam so that it is pointing at the bottom of the bottom of the hopper, with the slotted adjusting screw, adjust white dot to the minimum range (see figure 3, next page), block the laser beam with piece of paper at the desired cut-off / fill position, then slowly turn the adjusting screw clockwise until the “SIG” indicator turns “On” (see figure 4, next page).

Range / Distance; is measured from the laser sensor to the cutoff / target;

Minimum; turning counter-clockwise decreases distance from the laser sensor

Maximum; turning clockwise increases the distance from the laser sensor.



*Minimum range,
counter-clockwise*

(Figure 3)



SIG indicator "ON"

(Figure 4)



*Maximum range,
clockwise*

(Figure 5)