

Polarized Reflective-Beam Sensor

E-931-S33PRO 33' (10m) Range, Weatherproof

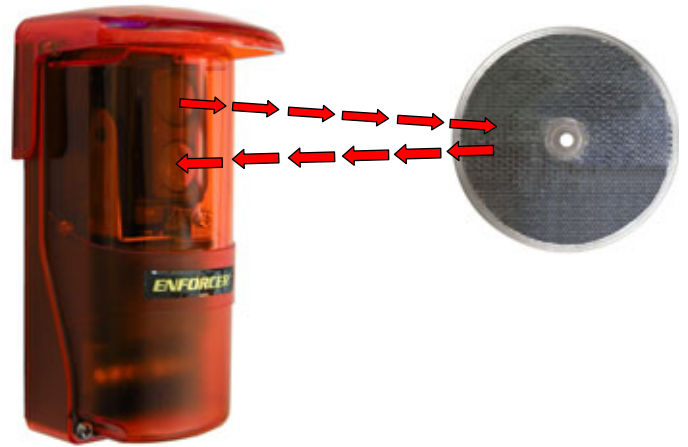
The E-931-S33PRO Polarized Reflective-Beam Sensor reduces the interference caused by shiny objects reflecting light back into the sensor.

Features:

- ▶ For assembly line automation, outdoor gates, garage or overhead doors.
- ▶ Operates on 12 ~ 250 VAC/VDC.
- ▶ Weatherproof (IP66) for indoor and outdoor applications.
- ▶ Dual-color LED for beam alignment.
- ▶ Compact size:
4³/₄" x 2¹/₂" x 2³/₈" (122 x 62 x 61 mm)
- ▶ Mounting bracket and hardware included.

Specifications:

Sensing range	33' (10m)	
Operating voltage	12 ~ 250 VAC/VDC	
Current draw	50mA (max.)	
Response time	10ms (max)	
Beam spread angle	1.5°	
Light source	IR LED	
Dual-color LED	Red	OFF: beam aligned, ON: beam broken
	Green	Flashing: Beam alignment weak ON: beam aligned
Output	SPDT relay output 2A@30VDC	
Enclosure	Top case: PMMA; Bottom case: ABS	
Operating temperature	-13° ~ 140° F (-25° ~ 60°C)	



How Polarized Sensors Work:

The transmitted IR light that the sensor emits is polarized in a certain direction. When shiny objects pass in front of the transmitted beam, they reflect light into a polarized filter. Only light that matches the original polarization will pass into the receiver.

