

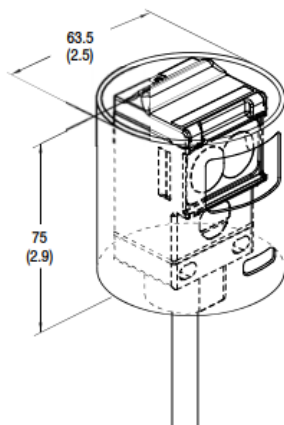


PE-602728 Retro Reflective Photo Eye Package 30' Max Opening

User Interface

Label	Color	State	Status	Top View Detail
Output	Green	OFF	Sensor output de-activated	
		ON	Sensor output activated	
Margin/SCP	Red	OFF	Margin < 2.5	
		ON	Margin >2.5	
		Flashing	Output SCP active	
Power	Yellow	OFF	Sensor not powered	
		ON	Sensor powered	

Dimensions—mm (inches)



Installation

The sensor must be mounted on a firm, stable surface or support. A mounting platform which is subject to excessive vibration or shifting may cause intermittent operation. All wiring between the sensor and the automation system should conform to the National Electric Code and all applicable local codes. See wiring diagrams for proper connections.

When power is applied to the sensor, the yellow indicator will turn ON. Visually sight the sensor at the reflector until the green indicator turns ON (with sensor in light operate mode) or OFF (with sensor in dark operate mode). Continue to align the sensor vertically and horizontally until the red indicator turns ON.

Once the sensor has been properly aligned, the sensitivity can now be set. This is accomplished through the use of the sensitivity knob on the user interface panel. Open the top cover to access this knob. The default setting is in the full clockwise position which will provide maximum sensitivity and range. Turn the knob counterclockwise until the red indicator turns OFF. This indicates that the threshold where the sensor is receiving at least 2.5X the required amount of light (margin) necessary to activate the output. Turn the knob clockwise to a point where the indicator just turns ON. Normal industrial environments range from moderately dusty to extremely dirty. A higher operating margin is typically desirable to overcome the accumulation of dust/dirt on the optics lens over a period of time. Refer to the Typical Response Curve to determine the margin versus distance characteristics of the sensor. Close the top cover securely.

Typical Response Curves

