

Specifications

Supply Voltage

- 10 to 24 VDC
- Polarity Protected

Current Requirements

- 50 mA (exclusive of load)

Output Transistors

- (1) NPN and (1) PNP sensor output transistor
- Sensor's output can sink or source up to 150 mA (current limited)
- All outputs are continuously short-circuit protected

Response Time

- Light State response = 500 μ s (microseconds)
- Dark State response = 500 μ s (microseconds)

LED Light Source

- Red = 660 NM
- Infrared = 880 NM
- Pulse Modulated

Push Button Control

- AUTOSET Routine: Push and release with sensor in "light" state
- Excess Gain Adjustment: Tap twice to step to higher excess gain
- Push and hold to activate flash rate alignment indicator
- Light /Dark "ON" selection: Tap 5 times to toggle

Range

- Dependant on optical block (Visit ttco.com for details)

Hysteresis

- Approximately 15% of signal

Light Immunity

- Responds to sensor's pulse-modulated light source, resulting in high immunity to most ambient light, including high intensity strobes.

Diagnostic Indicators

Dual Red/Green LED:

Red = Output Status

NOTE: If Output LED flashes, a short circuit condition exists.

Green = Flash Rate Alignment Indicator

Dual Green/Amber LED:

Green = "ON" After Autoset Routine

Amber = "ON" After Excess Gain Adjustment

Ambient Temperature

- -40°C to 70°C (-40°F to 158°F)

Rugged Construction

- Chemical resistant, high impact polycarbonate housing
- Waterproof ratings: NEMA 4, IP67

Model Numbers

PZR	Red LED Light Source w/ 6' Cable
*PZRC	Red LED Light Source w/ Connector
PZI	IR LED Light Source w/ 6' Cable
*PZIC	IR LED Light Source w/ Connector

*M8 Nano Connectors

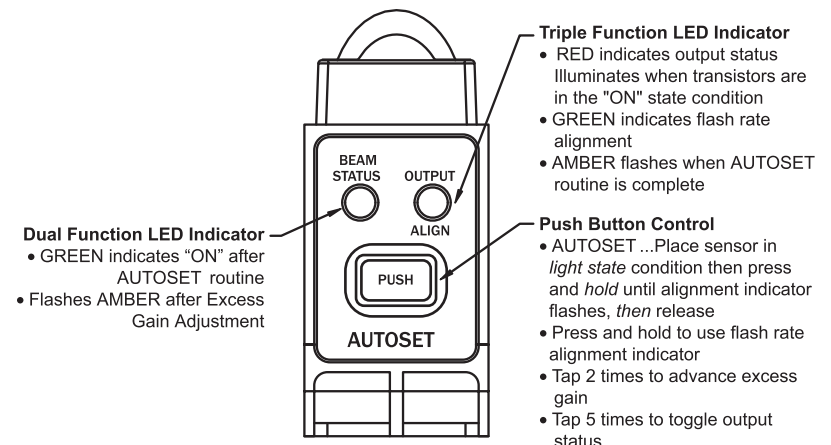
Use GEC or RGEN Series Cables



The EZ-EYE™ photoelectric sensor by TRI-TRONICS® fulfills the need for an affordable push button sensor that is EZ to align and EZ to adjust.

Features and Benefits:

- EZ to adjust...AUTOSET routine requires a single push of a button.
- EZ to align...Flash Rate Indicator monitors received light intensity.
- EZ to select higher excess gain...Tap the button twice to increase excess gain (sensitivity).
(Note: Initiating the AUTOSET routine followed by tapping the button emulates a screw driver adjustment.)
- EZ to select sensing mode...Choose from ten completely interchangeable optical blocks.
- EZ-EYE™ sensors are available with either infrared (IR) or red LED light sources.
- All EZ-EYE™ sensors are equipped with both NPN and PNP output transistors.
- Power supply requirements: 10 to 24 VDC
- Responds to sensor's pulsed modulated light source...immune to most ambient light.



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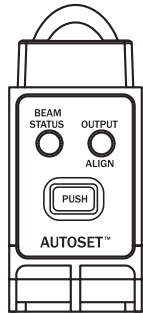
RoHS Compliant

Product subject to change without notice

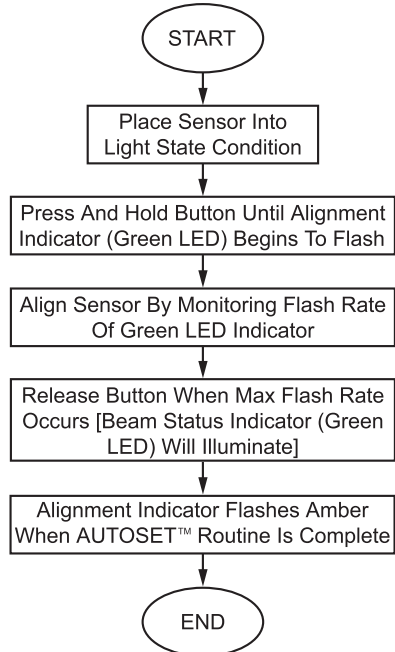




Push-Button Control Setup Routines & Features

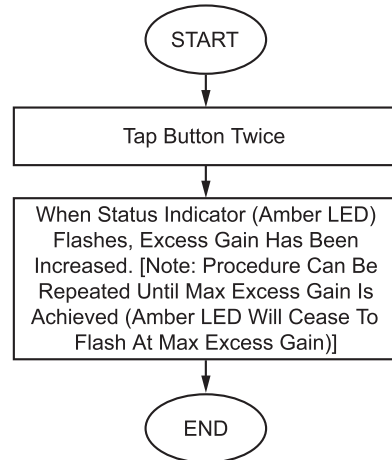


AUTOSET Adjustment & Flash Rate Alignment Indicator



Excess Gain Adjustment (Sensitivity)

(This *Optional* Adjustment Is To Be Initiated After Performing the AUTOSET Routine)



Toggle Light "ON"/Dark "ON" Output Status

