



General Application Photoelectric Sensors

EZ-EYE miniature photoelectric sensors fulfill the need for an affordable, push-button sensor that is EZ to align and EZ to adjust. Optimized for machine control automation, the setup is easy with the unique one-touch AUTOSET routine.

Features

- Single button push AUTOSET
- NPN and PNP outputs
- Cable or quick disconnect
- Interchangeable optical blocks
- 500 microsecond response time
- Immune to most ambient light

Benefits

- Easy to use
- Small and compact for mechanical space issues
- Lower maintenance costs
- Reduce downtime
- Increase machine throughput

Applications

- Product presence/absence
- High speed counting
- Object detector
- Printing/Marking/Coding
- Inspection trigger



Sensing Range Guidelines

1 in. = 25.4mm / 1 ft. = 0.3048 meters

Convergent / Proximity / Retroreflective

OPTICAL BLOCKS	IR	RED
V4	1 in.	1 in.
V6	1.5 in.	1.5 in.
V8	0.5 in.	0.5 in.
O4	5 in.	2 in.
O5	3 ft.	16 in.
R4	40 ft.	20 ft.
R5	N/A	12 ft.

Note: Proximity tests utilized a 90% reflective white target. Retroreflective tests utilized a 3" diameter round reflector, Model AR3.

Glass Fiberoptics

OPTICAL BLOCKS	IR	RED
Opposed Mode		
F4	7 in.	3.5 in.
F4 w/ UAC-15	10 ft.	5 ft.
Proximity Mode		
F4	2.5 in.	1.25 in.
F4 w/ UAC-15	5 in.	6 in.

Note: Proximity tests utilized a .125" diameter fiber bundle.

Plastic Fiberoptics

OPTICAL BLOCKS	IR	RED
Opposed Mode		
F5	N/A	4.5 in.
F5 w/lens	N/A	10 ft.
Proximity Mode		
F5	N/A	1 in.
F5 w/lens	N/A	N/A

Note: Proximity tests utilized a .040" diameter fiber bundle.

HOW TO SPECIFY

1. Select sensor model based on light source required :
PZI = Infrared
PZR = Red
2. Select connection required :
Blank = Cable
C = Connector
3. Select Optical Block based on mode of sensing required :
(see Range Guidelines)

Example: **PZ R C F5**

EZ-EYE ———— **PZ**
 Light Source ———— **R**
 Connector ———— **C**
 Optical Block ———— **F5**

ACCESSORIES

4-Wire Nano Cable, M8



GEC-6
6' (1.8m) cable with connector

GEC-15
15' (4.6m) cable with connector

GEC-25
25' (7.6m) cable with connector



RGEC-6
6' (1.8m) cable / right angle conn.

RGEC-15
15' (4.6m) cable / right angle conn.



GEX-9
9' (2.7m) extension cable

Screw Mount Reflectors



78P
4.4" x 1.9" (111.7 x 48.3mm)



78P
4.4" x 1.9" (111.7 x 48.3mm)