



EQ-500

Long range sensing capability
up to 2.5m

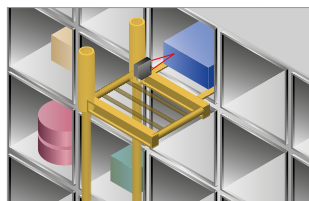
Features

■ Impervious to variations in color or angle

Due to its advanced optical system, the sensor is not affected by variations in the object's angle or gloss as compared to conventional sensors. Moreover, sensing can be performed at a somewhat constant distance even if the sensing object is black or white.

■ Not affected by background objects

Due to the 2-segment photodiode adjustable range system, the sensor does not detect objects outside the preset sensing field. It will not malfunction even if someone walks behind the sensing object, or machines or conveyors are in the background.

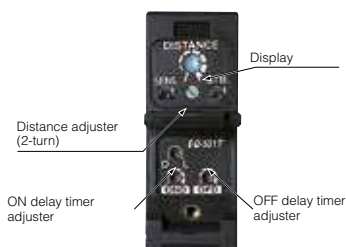


■ An easy-to-set adjuster with indicator

Equipped with a 2-turn adjuster with indicator making it easy to set for short or long distances. **EQ-500** series can function with 24 to 240V AC and 12 to 240V DC. Therefore, almost any power supply anywhere in the world will work.

■ Equipped with BGS/FGS function

We have added a DC-voltage type with NPN and PNP transistor outputs, all in one sensor. Its BGS/FGS function controls any background effects for more stable sensing.



■ Convenient timer function models

Types with an ON-delay/OFF-delay timer available. (EQ-5□T)

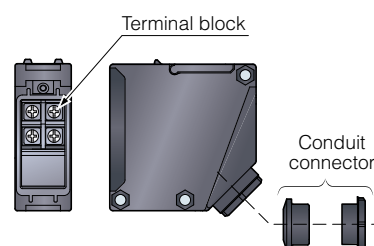
- › Operation: ON-delay OFF-delay
- › Timer period: 0.1 to 5s (individual setting possible)

■ Little affected by contamination on lens

Even if the lens surface gets somewhat dirty from dust particles, there is very little change in the operation field, rendering stable and consistent detection even for particles appearing close to the front surface of the unit.

■ Convenient terminal block type

Cabling is enabled by way of a terminal block.



- IO-Link Sensors
- Photoelectric Sensors
- Fiber-optic Sensors
- Standard Fibers
- Fiber Sensors Communication Units
- Mark Sensors
- Laser Sensors
- Safety Sensors
- Pressure & Flow Sensors
- Inductive Proximity Sensors
- Measurement Sensors
- Ionizers / Electrostatic Sensors
- Accessories

EQ-500

Technical specifications

Type	Multi-voltage type				DC-voltage			
		With timer		With timer		With timer		With timer
Model no.	EQ-501	EQ-501T	EQ-502	EQ-502T	EQ-511	EQ-511T	EQ-512	EQ-512T
Sensing range	0.2 to 2.5m		0.2 to 1.0m		0.2 to 2.5m		0.2 to 1.0m	
Supply voltage	24 to 240V AC \pm 10%, or 12 to 240V DC \pm 10%				12 to 24V DC \pm 10%			
Output	Relay contact 1a 3A/250V AC				PNP / NPN open-collector transistor, max. 100mA			
Output operation	Light-ON or Dark-ON							
Response time	Max. 20ms (for EQ-50□T dependent on the setting timer period)				Max. 20ms (for EQ-51□T dependent on the setting timer period)			
Timer periods	–	Incorporated with variable ON-delay / OFF-delay timer (0.1 to 5s)	–	Incorporated with variable ON-delay / OFF-delay timer (0.1 to 5s)	–	Incorporated with variable ON-delay / OFF-delay timer (0.1 to 5s)	–	Incorporated with variable ON-delay / OFF-delay timer (0.1 to 5s)
Protection	IP67 (IEC)							
Ambient temperature	–20 to +55°C							
Emitting element	Infrared LED							
Connection method	Convenient terminal block							
Dimensions (HxWxD)	68x26x68mm							
Accessories	Screwdriver, 1 pc.							

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