



PHOTOELECTRIC DETECTOR

AX-250/500PLUS

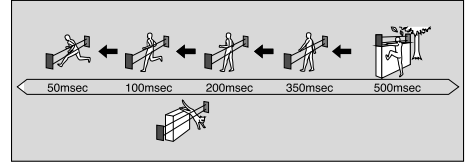
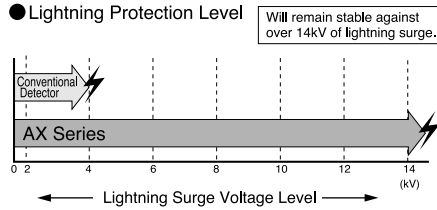


Innovative Design Meets Unsurpassed Quality in the AX-250/500PLUS

The Photoelectric Beams of OPTEX's AX-250/500PLUS Series combine precise detection capability with increased reliability providing superior outdoor detection.

A dual beam design incorporates synchronized pulsed signals, and an adjustable beam interruption time can virtually eliminate unwanted activation. A high level of detection accuracy will be maintained, no matter how harsh the environment.

The AX-250/500PLUS will automatically compensate for changes in the surrounding conditions. The advanced mechanical design allows for easy installation and set-up providing long-term reliability, ideal for today's outdoor security systems.



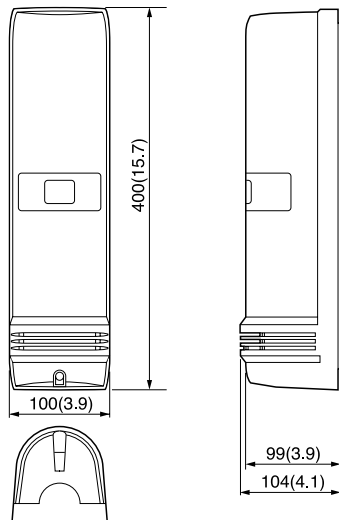
Reliability Chart for Outdoor Protection

Specially designed to eliminate various causes of outdoor false alarms.

False Alarm Causes	Technology to Solve	AX Function & Features
Lightning & High EMI Disturbances	High EMI Resistance	High Surge Resistiveness Relay & EMI Surge Absorber
Insect Entering into Housing	Sealed Enclosure Housing	IP54
Dew Condensation Fog, Frost & Heavy Rain	High Sensitivity Tolerance Excellent Optical Alignment Environmental Analysis	Ultra High Power Transmitter Anti-Frost Mechanism Easy Optical Alignment Mechanism Automatic Gain Control
Birds or Flying Objects	Size Analysis	Twin Synchronized Pulsed Beams

2 Inch Conduit
Form C Relay Providing More Flexibility

MODEL	AX-250PLUS	AX-500PLUS
Detection Method	Infrared Photoelectric	
Range (Outdoor)	75m (250ft.)	150m (500ft.)
Maximum Arrival Distance	750m (2500ft.)	1500m (5000ft.)
Beam Characteristics	Pulsed Infrared	
Interruption Period	50~500msec (Selectable)	
Power Input	10.5~30V DC	
Current Draw (transmitter+receiver)	Normal operation 50 mA max	
Alarm Period	2sec (± 1) nominal	
Alarm Output	Form C Relay (28V DC 0.2A max) N.C. opens when cover is removed (Receiver Only)	
Tamper Switch	N.C. opens when cover is removed (Receiver Only)	
Operating Temperature	-25°C ~ +55°C (-13°F ~ +131°F)	
Environment Humidity	95% Max	
Alignment Angle	±10° Vertical, ±90° Horizontal	
Mounting	Wall or Pole	
Weight	2700g (95.2 oz) (Both Transmitter and Receiver)	



mm (Inches)

UL LISTED : AX-250PLUS, AX-500PLUS

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