



NEW LONG-RANGE PHOTOELECTRIC DETECTOR AX-350/650MKII

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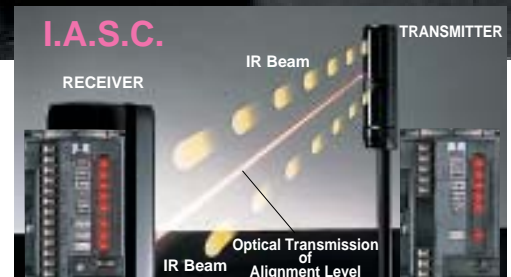


Extended Detection Range, More Reliable Performance

Advanced Photoelectric Technology now comes with extended range performance, while superior design allows for easy and cost effective installation and maintenance.

The AX-MKII Series is specially designed for unsurpassed stability even in the most hazardous outdoor environments. Our patented I.A.S.C. circuit assures fast and easy alignment of the photoelectric beams, keeping installation time to a minimum. Just take a look at our industry leading list of advanced features.

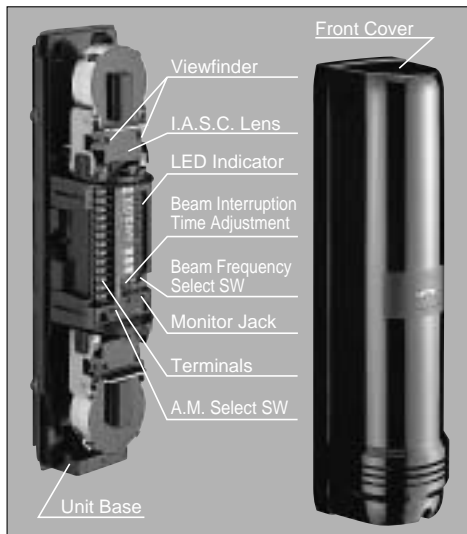
5 YEAR WARRANTY



■ Patented Integrated Alignment Status Communication

Photobeam alignment is no longer a costly, time-consuming job. The beam alignment level is visually displayed using LED indicators located on both the transmitter and receiver. By simply aiming both units and watching the LED indicators, accurate and reliable alignment is easily achieved. The alignment status at the receiver is optically transferred to the transmitter and is indicated by LEDs. To align the transmitter, one simply monitors the LED level while adjusting.

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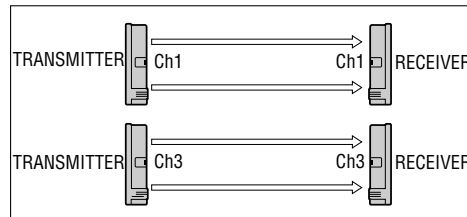


FEATURES

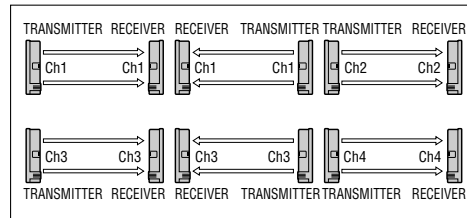
4-channel Selectable Beam Frequencies

"Cross talk" is eliminated by our field selectable beam frequency.

1 2 Beam Stacking



2 2 Beam Long Distance Stacking



Environmental Disqualification Circuit

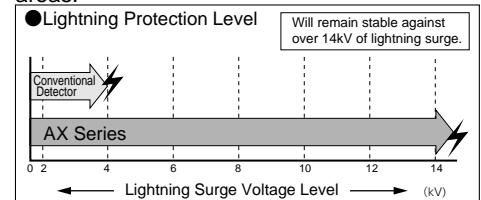
The Environmental Disqualification Circuit eliminates false alarms generated by gradual signal loss caused by extreme weather conditions such as snow, fog, heavy rain, icy build-up.

Re-Transmission Capability

The Re-Transmission Circuit can be used as an alternative to a conventional protective wiring loop, or where a long run of wire is difficult or impossible. It may also be used to eliminate the cost of long distance wiring to remote areas. Simple connection of an N/C device to the beam transmission terminal.

Lightning & Surge Protection

An improved EMI surge absorber and high surge resistiveness relay will maintain stable operation even in the most lightning prone areas.



Reliability Chart for Outdoor Protection

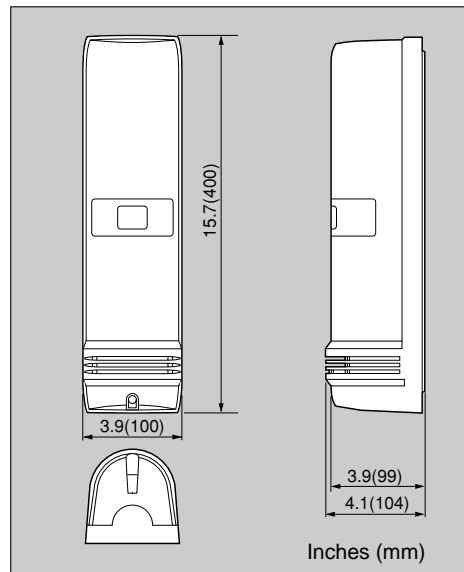
Specially designed to eliminate various causes of outdoor false alarms.

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 Patented I.A.S.C. Easy Optical Alignment Mechanism Environmental Disqualification Circuit Automatic Gain Control
Birds or Flying Objects	Size Analysis	Twin Synchronized Pulsed Beams
Cross Talk of Beams	Beam Discrimination	Selectable Beam Frequencies

SPECIFICATIONS

MODEL	AX-350MKII	AX-650MKII
Detection Method	Infrared Photoelectric	
Range (Outdoor)	350ft. (100m)	650ft. (200m)
Maximum Arrival Distance	3500ft. (1000m)	6500ft. (2000m)
Beam Characteristics	Pulsed Infrared	
Selectable Beam Frequency	4 Channel (Automatic Synchronization)	
Interruption Period	50~500msec (Selectable)	
Power Input	10.5~30V DC	
Current Draw (transmitter+receiver)	Normal operation 75mA max During optical alignment 145mA max	
Alarm Period	2sec (± 1) nominal	
Alarm Output	Form C Relay (28V DC 0.2A max)	
Tamper Switch	N.C. opens when cover is removed	
Operating Temperature	-30° F ~ 131° F (-35°C ~ +55°C)	
Environment Humidity	95% Max	
Alignment Angle	±10° Vertical, ±90° Horizontal	
Alarm Memory	LED indicates memory status. Selectable Negative & Positive	
Environmental Disqualification Circuit	Form C relay operates when beam energy has been gradually reduced to abnormal level.	
Mounting	Wall or Pole	
Weight	98.8 oz (2800g) (Both Transmitter and Receiver)	

DIMENSIONS



* Specifications and design are subject to change without prior notice.
NOTE: This unit is designed to detect an intruder and activate an alarm control panel. Being only a part of a complete system, we cannot assume responsibility for theft or damages, should it occur.

A.G.C. (Automatic Gain Control) Circuit

The A.G.C. Circuit continually monitors for gradual changes in the signal's strength caused by changing weather conditions. It adjusts the sensitivity accordingly to maintain the proper signal level for the current environmental conditions.

Adjustable Beam Interruption Period

Beam interruption time can be adjusted according to the peculiarities of each installation site. When protecting a wall or fence, a long interruption time will catch intruders, but let jumping cats pass through. Adjustable from 50 to 500msec.

Other

- Twin Synchronized Pulsed Beams Designed for Greater Stability
- 99% Beam Blocking Rate
- Anti-Frost Design
- Stainless Steel Screws & Back Plate
- Knock-Outs for 1/2 Inch Conduit
- Form C Relay Providing More Flexibility

OPTIONS

HU-1: Heating Unit

For use in cold areas. 24V DC/AC, 430mA max.

BC-1: Back Cover

AX-BT: Beam Tower

For stacking beams at a height of 5.78ft. (1.75m)



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