



SELECTABLE BEAM FREQUENCY LONG RANGE PHOTOELECTRIC DETECTOR

# AX-350/650TF



## **The AX-350/650TF Series of 350 ~ 650ft long range photoelectric detectors with selectable beam frequencies.**

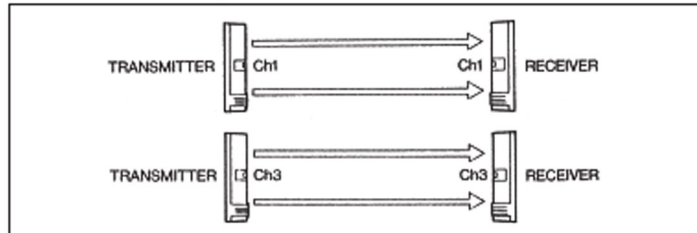
The selectable beam frequencies can be used to avoid unwanted crosstalk that can occur when using multiple photobeams over long distances or beam stacking applications. In addition, the AX-TF Series employs multiple beam technology and utilizes an AND circuit that requires all beams to be interrupted simultaneously before an alarm is generated. This reduces false alarms due to accidental beam interruption by debris or small animals.

## FEATURES

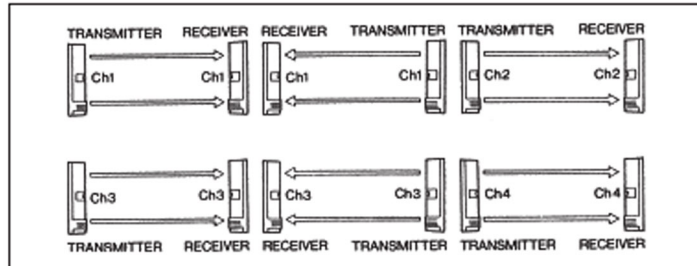
### ■ 4-channel Selectable Beam Frequencies

"Cross talk" is eliminated by our held selectable beam frequencies

### 2 beam stacking

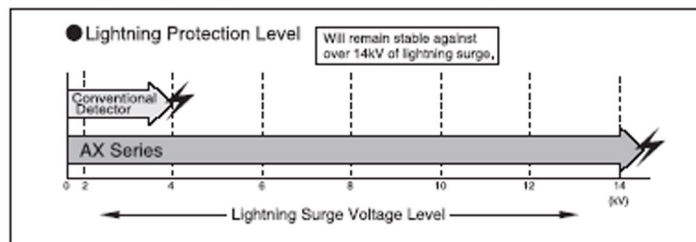


### 2 beam long distance stacking



### ■ Lightning & surge protection

An improved Electro-Magnetic Interference surge absorber and high surge resistive relay has been installed to protect from lightning surges and maintain stable operation.



### ■ Adjustable beam interruption period

The beam interruption time can be adjusted to fit any application. For example, when protecting a wall of fence, a longer interruption time will catch intruders.

### ■ D.Q. Circuit (environmental disqualification)

D.Q. Circuit sends a trouble signal when the beam strength is below and acceptable level due to heavy fog, rain, snow or other changes in the installation site.

### ■ 99% beam blocking stability

Enables stable operation with as much as 99% loss of beam energy caused by heavy rain, dust storms, fog or snow.

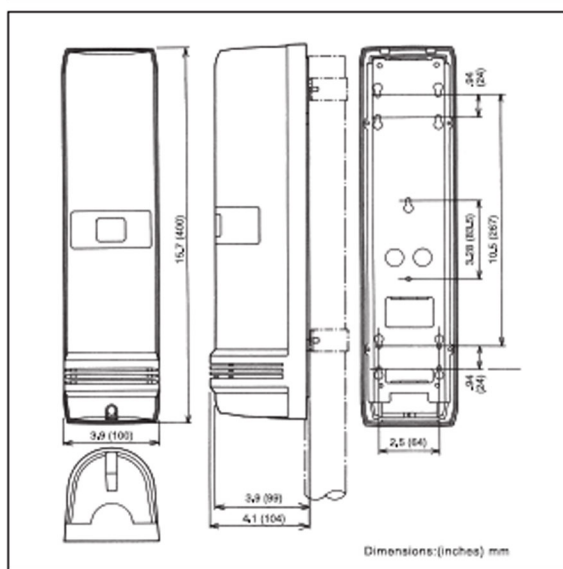
## SPECIFICATIONS

Model	AX-350TF	AX-650TF
Detection method	Pulsed Infrared	
Range	Outdoor: 350ft(100m)	650ft(200m)
	Indoor: 700ft(200m)	1300ft(400m)
Maximum arrival distance	3500ft(1000m)	6500ft(2000m)
Beam characteristics	4 channel	
Selectable beam frequency	50, 100, 250, 500 msec (4steps)	
Interruption period	10, 5~30VDC	
Power supply	Normal operation 60 mA max	
	T:11mA+R:49mA	T:13mA+R:49mA
Current consumption (transmitter + receiver)	During optical alignment 78 mA max	During optical alignment 80 mA max
	T:11mA+R:67mA	T:13mA+R:67mA
Alarm period	2sec(±1) nominal	
Alarm output	Form C Relay (28VDC 0.2Amax)	
Tamper switch	N.C. opens when cover is removed	
Operating temperature	-30F~+140 F (-35 C~+60 C)	
Environment humidity	95% max	
Alignment angle	±10 Vertical, ±90 Horizontal	
Alarm memory	LED indicates memory status, Selectable Negative & Positive	
Environmental disqualification	Form C relay operates when beam energy has been gradually reduced to abnormal level.	
Circuit	Wall or Pole	
Mounting	JP54	
Weatherproof	97.0 oz (2750g) Transmitter and Receiver	
Weight		

Specifications are subject to change without notice.

NOTE: These units are designed to detect an intruder and activate an alarm control panel. Being only a part of complete system, we cannot accept responsibility for any damages or other consequences resulting from an intrusion. These products conform to the EMC Directive 89/336 ECC.

## DIMENSIONS



## OPTIONS

### ■ HU-1: Heating Unit

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



### ■ BC-1: Back Cover



### ■ AX-BT2: Beam Tower

For stacking beams at a height of 5.51ft, (1.68m).



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