



AX-250T • AX-500T

PHOTOELECTRIC DETECTOR

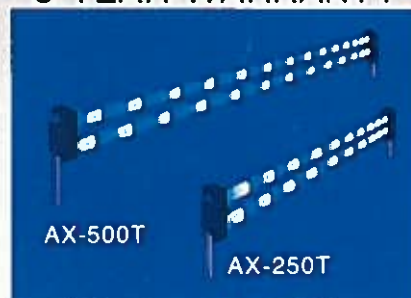
WONDEREX




THE "99% SOLUTION" TWIN BEAM PHOTOELECTRIC DETECTORS

- Two synchronized beams of pulsed infrared energy
- Reliably withstands as much as 99% loss of beam energy
- Automatic environmental compensation
- Adjustable beam interruption time (30 to 500 msec)
- Frost and dust protected casing
- Easy optical alignment / Highly precise infrared beams

5 YEAR WARRANTY

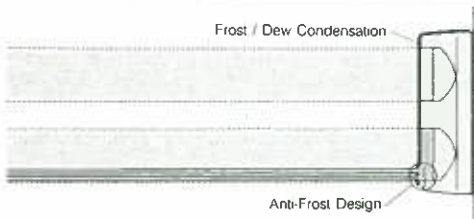
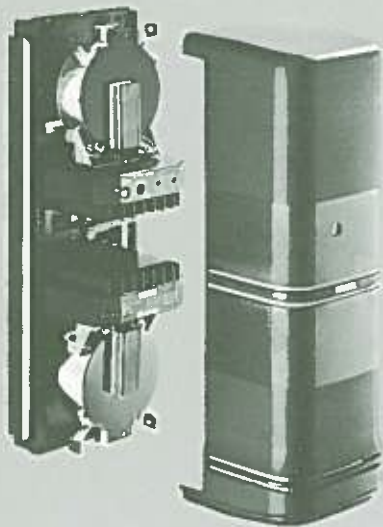


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WONDEREX

PHOTOELECTRIC DETECTOR

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FROST, DUST AND INSECT PROTECTION

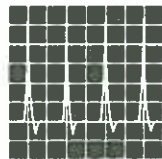
- Anti-Frost Design incorporates special slots on the cover which allow beam energy to pass even when the cover is completely frosted over. Because of WONDEREX's high tolerance to signal loss (99%), even a small amount of infrared beam passing through the slots ensures stable operation.
- Sealed optics further protects against dust and insects.

FEATURES

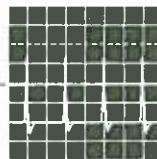
RAIN, FOG AND SNOW PROTECTION

- Synchronized pulsed signals from two infrared beams give AX-250T and AX-500T a high tolerance to signal loss: enabling stable operation with as much as 99% loss of beam energy, caused for example by heavy rain, dust storms, fog or snow.
- Automatic Gain Control (AGC) circuit further ensures stability. AGC continually monitors for gradual changes in the signal's strength caused by the changing weather conditions. It then adjusts the trigger level accordingly to maintain the proper sensitivity level for the current environmental conditions. In fine weather AGC keeps a high trigger level to prevent interference from external light. In bad weather, conditions, this circuit automatically lowers the trigger level as infrared beam energy becomes blocked by rain, snow or fog.

Signal Waves of Beam Output (Fine Weather)



(Bad Weather)

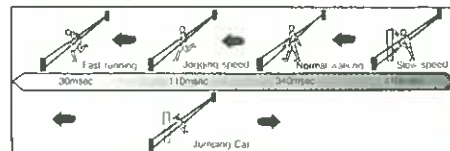


Trigger Level

BIRDS & FALLING LEAVES PROTECTION

- Double beams require simultaneous interruption of both beams to trigger an alarm. No alarm is generated when a bird or falling leaves break just one beam.
- Adjustable beam interruption time can be set to fit the installation opportunities. When protecting a wall or fence, a long interruption time will catch intruders and let jumping cats pass through. An adjustable beam interruption time allows you to increase stability, while maintaining reliability, according to the peculiarities of each installation site.

Adjustable Range of Beam Interruption Time



INSTALLATION CONVENIENCES

Easy, precise alignment

- Wide parabolic optics create sharply defined, precise infrared beams. This makes attaining the proper sensitivity during alignment easy.
- Side view finder for easier installation in narrow places.
- Ordinary voltmeter used to test alignment.

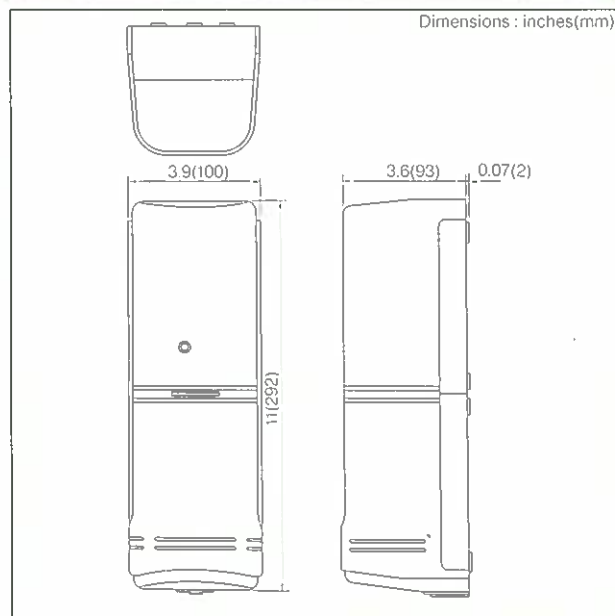
SPECIFICATIONS

MODEL	AX-500T	AX-250T
DETECTION METHOD	infrared Photoelectric	
RANGE	outdoor 500ft.(150m)	outdoor 250ft.(75m)
MAXIMUM ARRIVAL DISTANCE	5000ft.(1500m)	2500ft.(750m)
BEAM CHARACTERISTICS	1000pps. 8800Å pulsed infrared.	
INTERRUPTION TIME	35 to 500msec (variable)	
POWER INPUT	10 to 30VDC or 8 to 22VAC	
CURRENT DRAW	50mA max (10~30VDC)	40mA max (10~30VDC)
INDICATOR	Transmitter-Green LED ON when transmitting condition Receiver-Red LED ON in alarm condition	
ALARM PERIOD	2 sec. (± 1) nominal	
ALARM OUTPUT	N.C. 28VDC, 0.2A max	
TAMPER SWITCH	Opens when cover is removed.	
OPERATING TEMPERATURE	-30°F to 131°F (-35°C to 55°C)	
ENVIRONMENT HUMIDITY	95% max	
ALIGNMENT ANGLE	± 15° Vertical, ± 90° Horizontal	
MOUNTING	Wall and Pole	
WEIGHT	47oz (1330g)	
STANDARD ACCESSORIES	Screws. (0.16" x 3/4" self tapping)	

*Specifications are subject to change without notice for improvement

NOTICE : This product is designed to detect an intruder and send off a signal. It is not a theft prevention unit. We cannot assume responsibility for a theft, should it occur.

DIMENSIONS



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