



PHOTOELECTRIC  
DETECTOR

**WONDEREX**

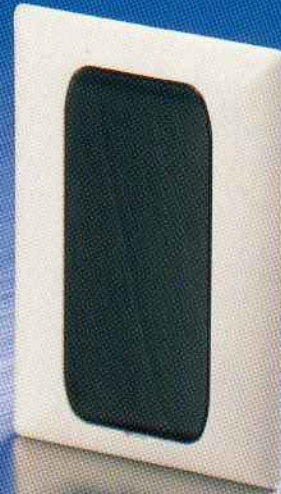
**AX-100S·AX-100SR**

(Surface Mount)

(Flush Mount)



AX-100SR



AX-100S



## VERSATILITY THAT MEETS EVERY DEMAND

### INTERIOR PHOTOELECTRIC SYSTEM

- Distance to 100 feet
- Surface (AX-100S) or Flush (AX-100SR) models
- Both models mount with a standard single gang electrical box
- LED alignment indicator - visibly confirms proper alignment
- Multi Focus Optics eliminates need for vertical alignment

LISTED



# WONDEREX

PHOTOELECTRIC DETECTOR

## AX-100S • AX-100SR

(Surface Mount)

(Flush Mount)



AX-100S



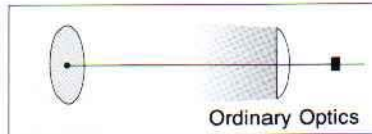
AX-100SR

## FEATURES

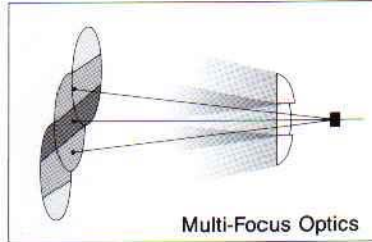
### EASY OPTICAL ALIGNMENT

#### ■ No Vertical Alignment Necessary

With multi-focus optics creating an oval shape beam, if the transmitter and receiver installed at the same height, vertical adjustments are not necessary.

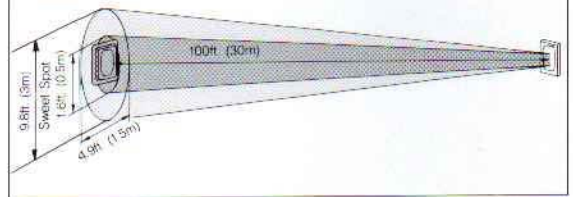


Ordinary Optics

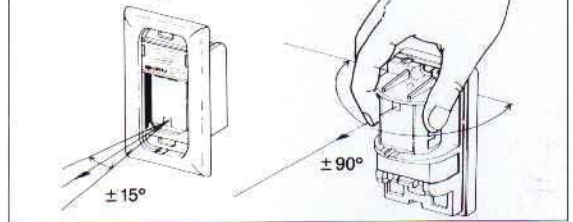


Multi-Focus Optics

#### Beam Figure



#### Horizontal Alignment



#### ■ Visible Optical Alignment

LED indicator of the transmitter visibly confirms the beam alignment. Supplied check-shield confirms proper alignment.

## RELIABILITY

### ■ Crystal Oscillated Dual Modulated Pulsed Beam

Receiver discriminates a coded signal from the transmitter, giving high level protection against sunlight, fluorescent and incandescent lamps.

## INSTALLATION CONVENIENCES

### ■ Pre-wired Installation

Both units mount easily with a standard single gang electrical box (U.S. standard). The AX-100SR recesses inside, and AX-100S mounts directly over to cover a single gang box.

### ■ Options

FR-100: mounting hardware for AX-100SR if electrical box is not used.

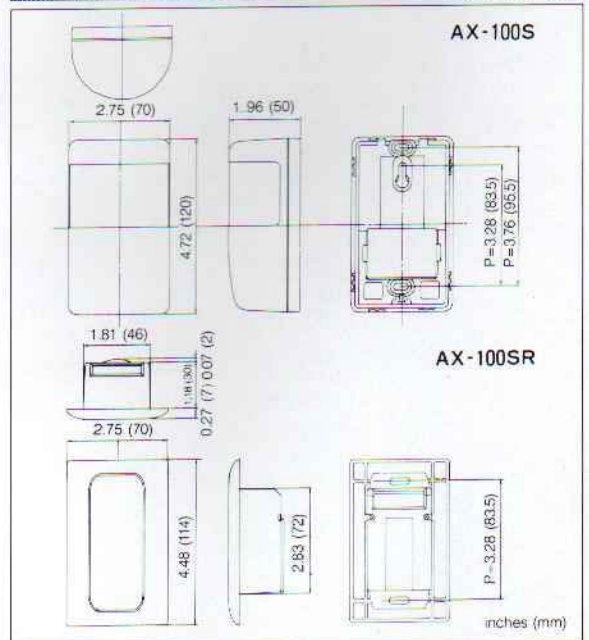
## SPECIFICATIONS

MODEL	AX-100S	AX-100SR
DETECTION METHOD	Infrared Photoelectric	
RANGE	Indoor 100ft.(30m) or Less	
MAXIMUM ARRIVAL DISTANCE	400ft.(120m)	
BEAM CHARACTERISTICS	1000 pps. 9500Å Double Modulation pulsed infrared.	
INTERRUPTION PERIOD	50msec	
POWER INPUT	8 ~ 18 VDC.	
CURRENT DRAW	Transmitter 27mA max/ 8 ~ 18 VDC. Receiver 25mA max/ 8 ~ 18 VDC.	
INDICATOR	Transmitter-Red LED On when transmitting condition Receiver-Red LED On in alarm condition	
ALARM PERIOD	2 sec.(± 1) nominal	
ALARM OUTPUT	N.C.28VDC, 0.2Amax	
TAMPER SWITCH	Opens when cover is removed.	
OPERATING TEMPERATURE	-4°F to 122°F (-20°C to 50°C)	
ENVIRONMENT HUMIDITY	95% max	
ALIGNMENT ANGLE	± 90° Horizontal	± 15° Horizontal
MOUNTING	Wall and SW.Box (Surface)	Wall and SW. Box (Flush)
WEIGHT	8.5 oz.(240 g)	5.6 oz.(160 g)

Specifications are subject to change without notice for improvement.

NOTE: This unit is designed to detect movement and activate an alarm control panel. Being only part of a complete alarm system, we cannot assume responsibility for theft or damages, should it occur.

## DIMENSIONS



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