



## **TWICE THE FEATURES AT HALF THE COST**

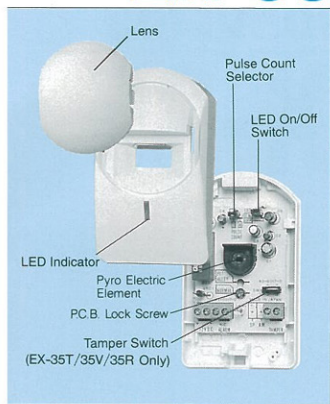
**The EX-35 Combines A Unique Dual Purpose Lens, Patented Multi-Focus Technology and Selectable Sensitivity to Create 4 Precise Detection Pattern Selections.**

The EX-35 breaks the mold of low cost, quality deficient detector. You can select between precise Wide Angle or Long Range Coverage, and also Multi-Level or Pet Alley Detection Patterns.

By incorporating our Patented Multi-Focus Technology into the Spherically Designed Lens, the EX-35 has successfully eliminated sensitivity problems caused by changes in detection patterns.

# PASSIVE INFRARED DETECTOR

# WONDEREX EX-35



## FEATURES

### Advanced Design Multi-Purpose Spherical Lens

Unique technology provides unmatched optical performance for Wide Angle and Long Range Detection in Multi-Level or Pet Alley Patterns, using the same lens surface.

### Selectable Detection Patterns

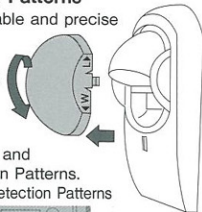
The EX-35 provides reliable and precise detection performance.

#### Wide Angle & Long Range Detection Patterns

By simply rotating the spherical lens, you can select between Wide Angle and Long Range Detection Patterns.

#### Multi-Level & Pet Alley Detection Patterns

Multi-Level and Pet Alley Detection Patterns can be selected by simply sliding the P.C.B. up or down.



### Patented Multi-Focus Lens

Creates zones with high vertical density, providing maximum detection sensitivity that remains stable even in high temperature conditions.

### False Alarm Protection

- R.F.I Protection  
No Alarm at 20V/m from 100MHz to 1GHz.
- Temperature Protection  
No alarm during temperature changes from -4° to +122°F (-20° to +50° C)
- Noise Reduction Circuit
- Selectable Pulse Count: 2 or 4
- LED On/Off Switch

### EX-35R for A Wireless Security System

Powered by a 3~9V Alkaline battery or Lithium battery and is designed to be used with a transmitter of a wireless security system.



EX-35R

• Battery Saving Circuit  
After the first detection, 2min. of non-activity is required before the next activation. Any subsequent movements during the 2min. refreshes the time delay. This feature extends battery life, especially when installed in high traffic areas.

### Optional Multi-Angle Bracket



FA-2C: Ceiling Mount  
Horizontally  $\pm 45^\circ$   
Vertically 0° to 20° downwards

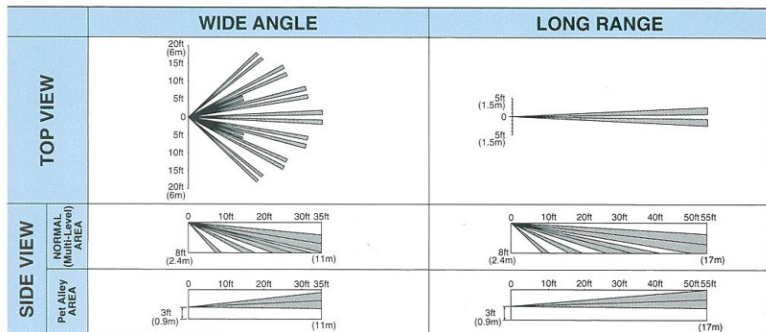


EA-1W: Wall Mount  
Horizontally  $\pm 20^\circ$   
Vertically 0° to 15° downwards

### Versions

- EX-35
- EX-35T: Tamper Switch
- EX-35V: Tamper Switch & Alarm Memory
- EX-35R: For a Wireless Security System

## DETECTION PATTERNS



## SPECIFICATIONS

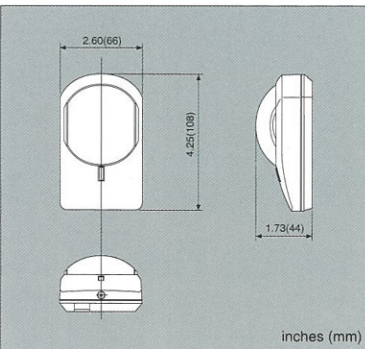
Model	EX-35	EX-35T
Detection method	Passive Infrared	
Coverage	WIDE: 35ft. x 35ft. (11m x 11m) 85° Wide LONG: 55ft. x 5.5ft. (17m x 1.7m) Long Range	
Detection zones	WIDE: 64 zones/28 zones (Pet Alley) LONG: 12 zones/4 zones (Pet Alley)	
Mounting height	Normal 4~8ft. (1.2~2.4m), Pet Alley 2~4ft. (0.6~1.2m)	
Sensitivity	3°F (1.6°C) at 2ft./sec. (0.6m/sec.)	
Detectable speed	1~5ft./sec. (0.3~1.5m/sec.)	
LED indicator	Alarm indicator optional	
Alarm period	Approx. 2.5 sec.	
Alarm output	N.C., 28V DC 0.2A max.	
Tamper switch	— N.C. Opens when cover removed 28V DC 0.1A max.	
Pulse count	Approx. 20 sec. 2 or 4 (When using Long Range, always set pulse count selector on '2').	
Warm up period	Approx. 30 sec.	
Power input	9.5~14V DC	
Current draw	8mA(normal), 11mA(max.) at 12V DC	

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

Weight	3.2 oz. (90g)	
Operating temperature	-4°F ~ +122°F (-20°C ~ +50°C)	
Environment humidity	95% max.	
RF interference	No Alarm 20V/m	
V Version (Alarm Memory)		
Model	EX-35V	EX-35V(P)
Alarm memory	Armed: 0~1V DC	Armed: OPEN or +5~14V DC
Current draw	18mA (normal), 25mA (max.)	
R Version (For a wireless security system)		
Model	EX-35R	
Alarm output	Form C-Solid state switch 10V DC 0.01A (max.)	
Alarm interval	Alarm output is inactive until there is a 2min. period of inactivity in the pattern area	
Warm up period	Approx 1min.	
Power input	3~9V Alkaline battery or Lithium battery	
Operating voltage	2.3~10V DC	
Current draw	3.5µA (In standby)	
	10mA (In walk test, LED on)	
Dimensions	W2.78" (70mm) x H4.49" (114mm) x D2.99" (76mm)	
Weight	5.0 oz. (142g)	
Operating temperature	+14°F ~ +122°F (-10°C ~ +50°C)	

(R) LISTED: EX-35, EX-35T, EX-35V

## DIMENSIONS



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