



## **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 detectors. 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**

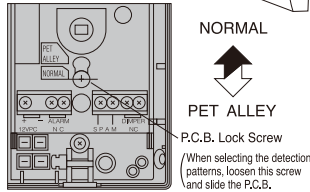
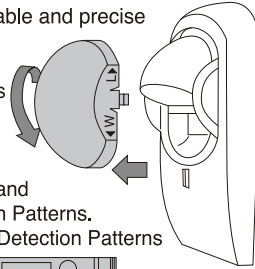
The EX-35 provides reliable and precise detection performance.

• **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.



• **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.

EX-35R

■ **Optional Multi-Angle Bracket**

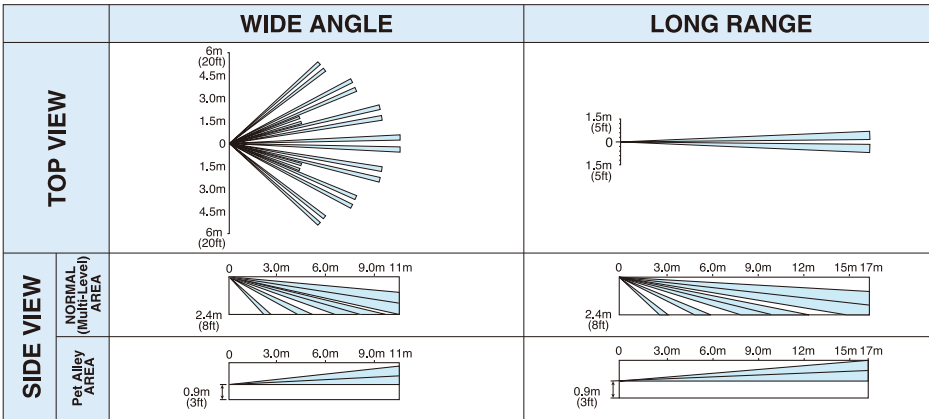


FA-3: Wall & Ceiling Mount Horizontally ±45° Vertically 0° to 15° downwards  
FA-2C: Ceiling Mount Horizontally ±45° Vertically 0° to 20° downwards  
EA-1W: Wall Mount Horizontally ±20° Vertically 0° to 15° downwards

■ **Versions**

- EX-35T: Tamper Switch
- EX-35R: For a Wireless Security System

**DETECTION PATTERNS**



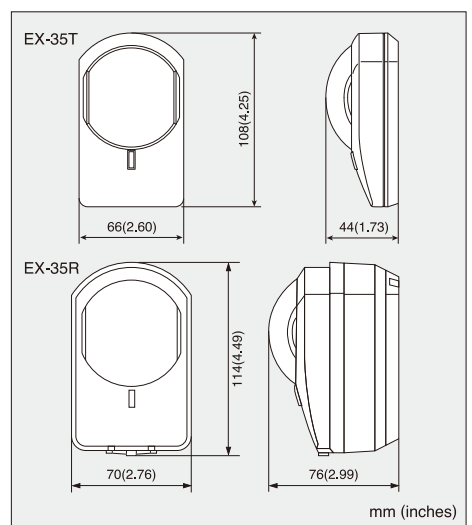
**SPECIFICATIONS**

Model	EX-35T	EX-35R
Coverage	WIDE : 11m x 11m 85° wide LONG : 17m x 1.7m long range	
Detection zones	WIDE : 64 zones / 28 zones (pet alley) LONG : 12 zones / 4 zones (pet alley)	
Sensitivity	1.6°C at 0.6m/sec.	
Detectable speed	0.3m - 1.5m/sec.	
Power supply	9.5 - 14V DC	3 - 9V alkaline battery or lithium battery
Operating voltage	-	2.3 - 10V DC
Current consumption	11mA (max.) at 12V DC	3.5µA (standby) 10mA (walktest, LED on)
Alarm period	Approx. 2.5 sec.	
Alarm output	N.C. 28V DC 0.2A max.	Form C-solid state switch 10V DC 0.01A (max.)
Alarm interval	-	Alarm output is inactive until there is a 2 min. period of inactivity in the pattern area.
Tamper switch	N.C., Opens when cover removed. 28V DC 0.1A max.	Form C
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.	Approx. 60 sec.
LED indicator	Alarm indicator optional	
Operating temperature	-20°C to +50°C	-10°C to +50°C
Operating humidity	95% max.	
RF interference	No Alarm 20V/m	
Mounting height	NORMAL 1.2 ~ 2.4m / PET ALLEY 0.6 ~ 1.2m	
Weight	70g	142g

UL LISTED : EX-35T

\*Specifications and design are subject to change without prior notice.  
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.

**DIMENSIONS**



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