



PASSIVE INFRARED | INDOOR HARSH ENVIRONMENT DETECTION

CX-702 SERIES





Reliable Detection in Harsh Environments

CX-702 SERIES

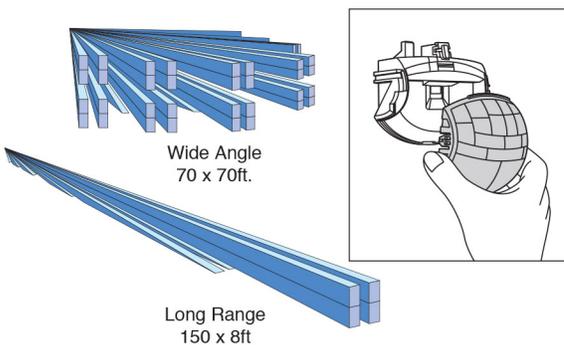
The highly accurate and reliable detection pattern of the CX-702 maintains its sensitivity throughout the entire detection area, even in high temperature or low contrast environments. Multi-Focus Optics create an extremely high vertical zone density, two or three times the size of conventional PIRs. These taller zones capture the entire body mass and enable detection of even the smallest temperature contrast against the temperature of the background. In addition, the vertical detection density has been improved to take into account dead zones created by furniture or partitions.

Temperature Compensation

The Temperature Compensation Circuit brings stable detection capability under high temperature conditions, where the background temperature is similar to that of the human body. It maintains a high level of false alarm protection while providing accurate detection by automatically adjusting its sensitivity according to the environmental temperature.

Dual Purpose Lens / Detection Pattern Selection

By simply rotating the spherical lens, you can select between Wide Angle and Long Range patterns. The CX-702 will instantly provide reliable and precisely accurate detection for each pattern.



Sealed Optics: Complete Shielding with Dual Structure

The pyro electric element is completely sealed with the dual-structured internal molding of the housing cover, thus preventing false alarms caused by drafts and small insects from getting inside.



Spherical Lens Design

Conventional flat lenses inevitably create sensitivity distortion problems when they are bent to fit a curved housing. OPTEX's spherically designed lens will obtain sharp detection because no bending is required.

	CX-702	CX-702RS	CX-702Ri
Detection method	Passive infrared		
Coverage	Wide angle 85wide 70ft. x 70ft. (21m x 21m)	Long range 150ft. x 8ft. (45m x 2.4m)	
Detection zones	68 zones		
Mounting height	5 - 12ft. (1.5m - 3.6m)		
Sensitivity	1.6C at 0.6m/sec. (2.4m mounting height) / 3F at 2ft./sec. (8ft. mounting height)		
Detectable speed	0.3 - 1.5m/sec. (1 - 5ft./sec.)		
Power input	9.5 - 16V DC	3 - 9V lithium battery	3V lithium battery (Included)
Current draw	8mA/11mA(max.) at 12V DC	5µA (In standby)	10mA (In walktest, LED on)
Alarm period	Approx. 2.5 sec.		
Alarm output	N.C. 28V DC 0.2A max.		Form C 10V DC 0.01A max.
Alarm interval			Succeeding signals are not output even though detection occurs within 2min. after the first alarm.
Pulse count	Approx. 20 sec. 2 or 4		
Tamper switch	N.C. Opens when cover is removed 28V DC 0.1A max.	Form C 28V DC 0.1A max.	
Warm-up period	Approx. 60 sec.		Approx. 90 sec.
LED indicator	Alarm condition		
RF interference	No alarm 30V/m		No alarm 20V/m
Temperature	-4 to 122 F (-20C to 50C)		+14 to 122 F (-10C to 50C)
Humidity	95% max.		
Accessories	CA-1W Wall Mount Bracket - Adjustable ±45°(Horizontally), 0-20°(Vertically downwards) CA-2C Ceiling Bracket - Adjustable ±45°(Horizontally), 0-20°(Vertically downwards)		

Includes BA70 backbox. Add your own transmitter and battery

iSeries includes EN1941 Inovonics wireless and battery

From residential to critical infrastructure, OPTEX has the right motion detection solution for any application and environment.

With indoor and outdoor detection options for every threat level, OPTEX provides you with flexibility and choice based on your total security needs. Since it's founding over 30 years ago, OPTEX has established a worldwide reputation for quality, innovation, and technical excellence. Our products always represent an investment in performance and long-term satisfaction.

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