



CX-702

Passive Infrared Detector

Features:

- 21m Wide-Angle, 45m Long-Range Detection
- Ideal for Commercial and Industrial Applications
- Completely Sealed Optics with Dual Structure
- Double Conductive Shielding of Pyro Electric Element
- Dual Purpose Lens
- Double Easy Knockout
- Easy-to-View LED
- Sufficient Space for Wiring

Double the Basic Performance and Easy Installation!
Optex Ensures Reliability Even for Protecting Large Indoor Venues.

Multi-Focus Optics (Patent Listed)

The highly accurate and reliable detection pattern will maintain 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.

Dual Purpose Lens

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.



Temperature Compensation Circuit

The Temperature Compensation Circuit will bring 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.

Ordering Information

816.013.041 **CX-702F** Optex Passive Infra Red Detector, wide angle (85°) 21mx21m, long beam 45mx2.4m - French approval

816.013.022 **CX-702V** Optex Passive Infra Red Detector, wide angle (85°) 21mx21m, long beam 45mx2.4m, Alarm Memory

Detection method	Passive infrared	
Coverage	Wide angle 85°	Long range
	21m x 21m	45m x 2.4m
Detection zones	68 zones	22 zones
Mounting height	1.5m - 3.6m	
Sensitivity	1.6°C at 0.6m/sec. (2.4m mounting height)	
Detectable speed	0.3 - 1.5m/sec.	
Power input	9.5 - 16V DC	
Current draw	8mA (normal) / 11mA (max.) at 12V DC	
Alarm period	Approx. 2.5 sec.	
Alarm output	N.C. 28V DC 0.2A max.	
Tamper switch	N.C. Opens when cover is removed.	
	28V DC 0.1A max.	
Pulse count	Approx. 20 sec. 2 or 4	
Warm-up period	Approx. 60 sec.	
LED indicator	Alarm condition	
RF interference	No alarm 30V/m	
Operating temperature	20°C - 50°C	
Environmental humidity	95% max.	
Weight	200g	
Dimensions	140x100x69mm	
CX-702V		
Polarity	Positive	Negative (cut jumper)
Alarm memory	armed: open or 5 - 16V DC	armed: 0 - 1V DC (grounded)
Current draw	8mA (normal) / 16mA (max.) at 12V DC	

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