

Detectors

passive infrared receiver

Octopus Super

INDUSTRIAL / COMMERCIAL / RESIDENTIAL

Quad Element Digital 360° PIR Detector



Main Features

- Ceiling mounted
- Digital Signal processing
- Interlocking Quad Element Pyro-electric Sensor
- Detection range up to 12m in diameter
- Patented Independent Floating Thresholds (IFT)
- Adjustable sensitivity settings
- Digital Temperature Compensation
- Sealed Optics
- ABS Plastics

Product Features

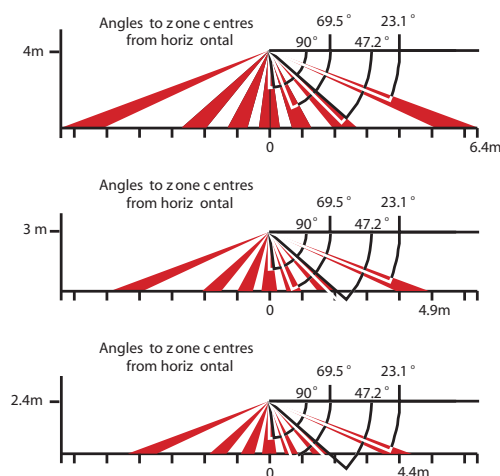
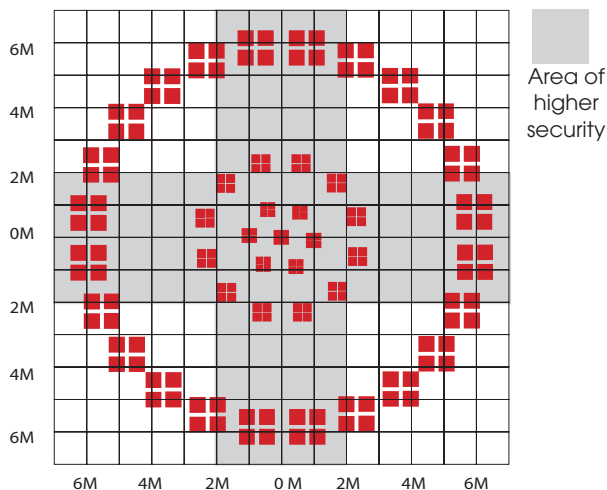
Features	Description	Benefits
Patented Independent Floating Thresholds (IFT)	This technology patented by Pyronix allows the detector to respond to the environmental changes by automatically adjusting its levels of immunity to background disturbances.	Greater stability, reduces risk of false alarm activations
Automatic Temperature Compensation	When the product is used in a hot environment this technology automatically adjusts the detectors sensitivity allowing it to retain its range even when the external temperature equals the external body temperature of 32°C.	Guarantees optimum performance at all times
Adjustable sensitivity settings	High sensitivity setting for use in areas where fast detection is required. Adjustable sensitivity for installation in a more hostile environment.	Ensures suitability for most environments
Sealed Optics	Protects from possible infestation from insects, shields air movement in front of the pyro-electric sensor and protects against adverse reflections from inside the detector housing.	Enhances the focus of the pyro-electric sensor
ABS Plastics	3mm polished finish, reduces electrostatic interference on the PIR sensor.	Easy to clean, retains white finish.

Lens Coverage

Supplied

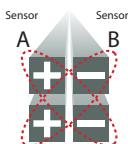
Ceiling 360° Lens

COVERAGE PATTERN PLAN VIEW



Pyronix Interlocking Quad Element

The Octopus Super has a special Pyro-electric sensor with interlocking elements. The elements are positioned so that an intruder walking in any direction through the detectors field of view will directly cross a positive or negative zone



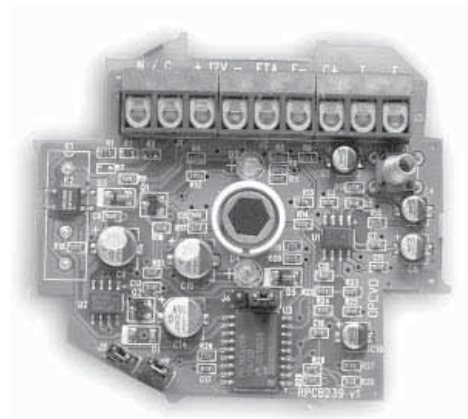
Technical Specification

ELECTRICAL	
Operating Voltage	9 - 16VDC (12v nominal)
Current Consumption - No Alarm State	17mA (12V nominal)
Current Consumption - Alarm State	20mA (12V nominal)
Relay	Magnetically Shielded
Relay Output	60VDC, 50mA, Protected 3.3 Ohm
Tamper Switch	12v max, 50mA max
RFI Immunity to Continuous Wave (CW) 80-2000MHz	50V/m
RFI Immunity to Amplitude Modulation (AM) 80-2000MHz	20 V/m
RFI Immunity to Pulse Modulation (PM) 80-2000MHz	20 V/m


OPERATING FEATURES	
Alarm period of	2.5 seconds
Detection Speed	0.3 - 3m/s
Operating Temperature	-30°C to +70°C
Storage Temperature	-40°C to +80°C

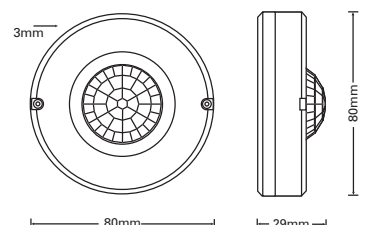
OPTICAL	
Light Filter	6500 Lux
Lens	Fresnel array, 'Grooves in'
Protection	Ultraviolet Light Filter

MOUNTING	
Optimum Coverage Height	1.8-4m



Weights & Dimensions

 = 70g

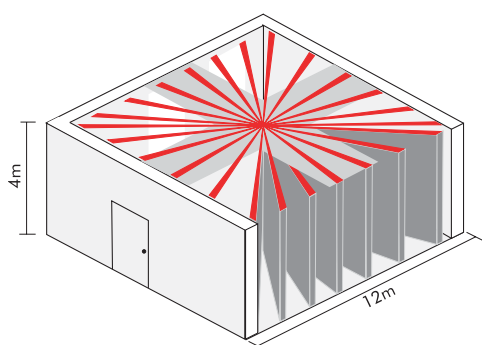


 Boxed Weight 90g
Boxed Dims 83x98x32mm

Applications

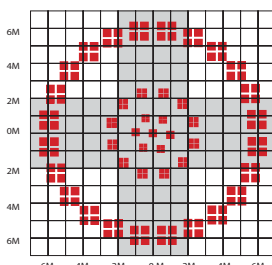
Features	Applications
360° Lens	This ceiling mounted detector with a 360° lens provides ideal coverage for obscured areas and is less likely to be concealed by furniture, office partitions. Due to the interlocking PIR Sensor, the area of higher sensitivity is as shown on the diagram below in the form of a cross. Ensure that the cross is pointed to possible access points, such as doors or windows.
Remote LED Enable (E-)	For maximum protection, Pyronix highly recommends to disable the detectors alarm LED so that an intruder is unable to trace the sensitive zones during the day. The E-input allows the alarm LED only to be switched on when a walk test is performed. For this purpose one PGM of the control panel should be connected to the E- and it should activate when the engineer enters the walk test option.
Latch memory (C+)	The C+ input allows the detector which has triggered the alarm to be identified in the case where there are more than one detector connected to one zone.

360° Lens

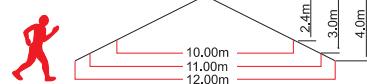


 Area of higher security

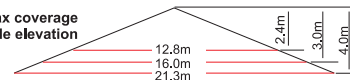
COVERAGE PATTERN PLAN VIEW






Effective coverage side elevation



Max coverage side elevation



COMPLIANCE	PYRONIX PRODUCT CODE
Europe 	FP13200
China 	FP13200CN
Russia 	FP13200

PACKING INFORMATION	ACCESSORIES	PYRONIX PRODUCT CODE
Min Pack: 15	N/A	
Pack Weight: 2.4kg		
Warranty: 5 Years		
Manufactured: UK		

As part of the continued development programme
specifications may change.

Matrix, PCX, Sterling, Vocaliser, KX, Colt, ME, Magnum, Kudos, Octopus,
Eclipse, Veritec, Break Glass 2000, Twin Alert, Belle and Decibell are all
trade marks of Pyronix Ltd