

Detectors

pet immune

Colt Quad PI *not available in the UK*

COMMERCIAL / RESIDENTIAL

Pet Immune Detector

Main Features

- Immunity up to 27kg animal
- Dual Element Pyro-electric Sensor
- 10m Fixed Detection Range
- Volumetric coverage adjustable up to 10m
- Horizontal curtain coverage adjustable up to 10m
- Corridor coverage adjustable up to 30m
- Adjustable sensitivity settings
- Automatic Temperature Compensation
- Multi-Angular LED Indication
- Sealed Optics
- EB1 Bracket included
- ABS Plastics

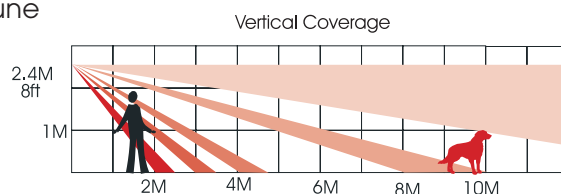
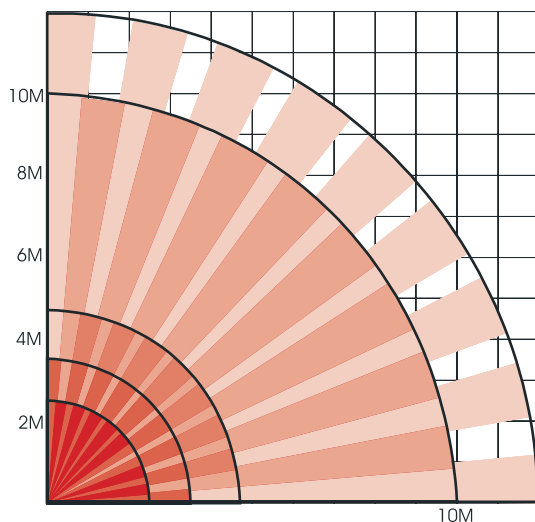
Product Features

Features	Description	Benefits
Unique pet Discrimination Technology	The detectors intelligent PI (Pet Immune) technology analyses the difference between an intruder and a pet signal.	Ensures accurate detection at all times
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
Adjustable sensitivity settings	High sensitivity settings for use in areas where fast detection is required. Adjustable sensitivity settings for installations in a more hostile environment.	Ensures suitability for most environments
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
Multi-Angular LED Indication	A clear plastic pipe channels the light from the LED to the face of the detector making the LED indication highly visible from a multitude of angles.	Enables walk testing to be undertaken with ease and accuracy ensuring the detector covers the desired area.
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
EB1 Bracket	Economy bracket included for wall or ceiling mounting Professional bracket also available.	Allows ease of installation
ABS Plastics	3mm polished finish, reduces electrostatic interference on the PIR sensor,	Easy to clean, retains white finish.

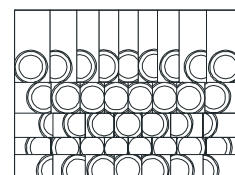
Lens Coverage

Supplied

10m Pet Immune



Volumetric
90°
78 Zone Edges
5 Planes

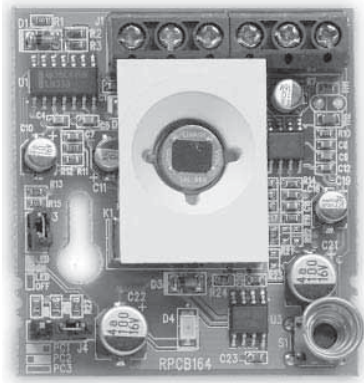


Pyronix Quad Element

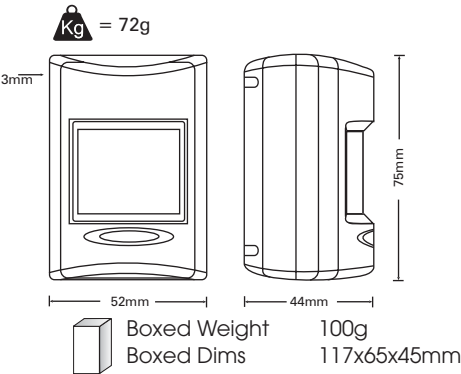
The pet immunity is achieved by using a quad zone lens. The top 3 rows of zones function as normal volumetric zones. However, the bottom 2 rows of zones are slightly off focus and effectively act as a mask of infra-red energy produced by an object lower than 20kg. Therefore, pet immunity is ensured for up to 1m. In addition the interaction of the lower and upper zones is enhanced by advanced signal processing.

Technical Specification

ELECTRICAL	
Operating Voltage	9 - 16VDC (12v nominal)
Current Consumption - No Alarm State	12mA (12V nominal)
Current Consumption - Alarm State	11mA (12V nominal)
Relay	Solid State
Relay Output	60VDC, 50mA, Protected 3.3Om
Tamper Switch	12V max, 50mA max
RFI Immunity to Continuous Wave (CW) 80-2000MHz	75V/m
RFI Immunity to Amplitude Modulation (AM) 80-2000MHz	25 V/m
RFI Immunity to Pulse Modulation (PM) 80-2000MHz	25 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	
White Light Filter	6500 Lux
Optics	Sealed
Lens	3 Dimensional
Protection	Ultraviolet Light Filter
Tilt Adjustment	0° - 12°
MOUNTING	
Optimum Coverage Height	1.8-2.4m



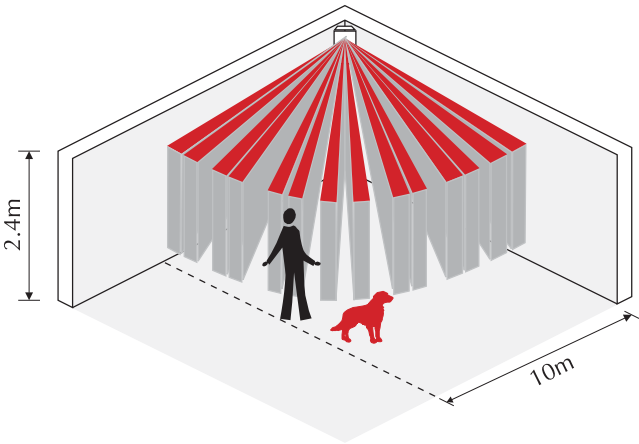
Weights & Dimensions



Applications

Features	Applications
IVQ (Intelligent Variable Quad) System	The Colt Quad PI has full 90 degree coverage at critical ground level and provides optimum intruder catch performance whilst intelligently differentiating between pets and humans.

Volumetric



COMPLIANCE		PYRONIX PRODUCT CODE	PACKING INFORMATION	ACCESSORIES	PYRONIX PRODUCT CODE
Europe	CE	FP05782	Min Pack: 50	N/A	
			Pack Weight: 5.42kg		
			Warranty: 5 Years		
			Manufactured: UK		

As part of the continued development programme
specifications may change.

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