

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



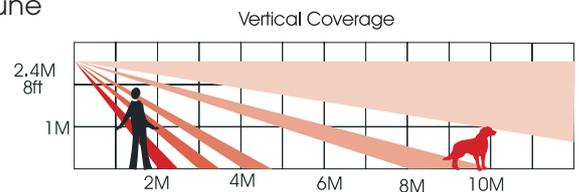
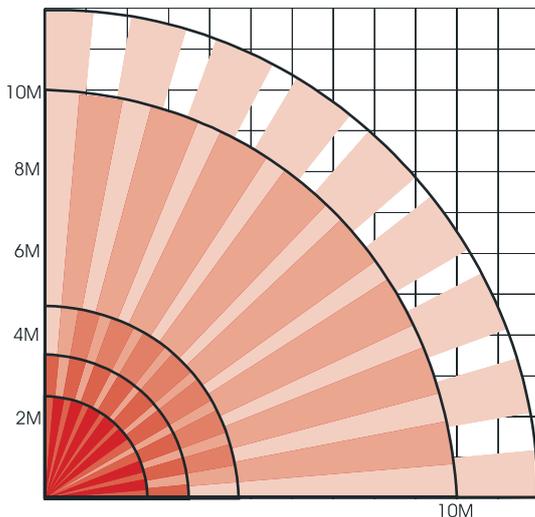
Product Features

| 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. |

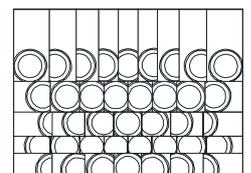
Lens Coverage

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.

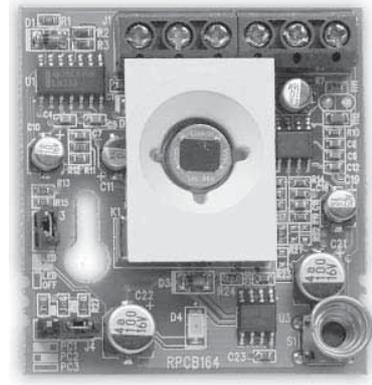
Technical Specification

| 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 |

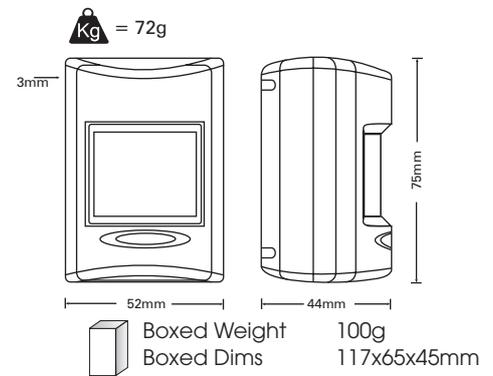
| OPERATING FEATURES | |
|-----------------------|----------------|
| Alarm period of | 2.5 seconds |
| Detection Speed | 0.3 - 3m/s |
| Operating Temperature | -30°C to +70°C |
| Storage Temperature | -40°C to +80°C |

| 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 |



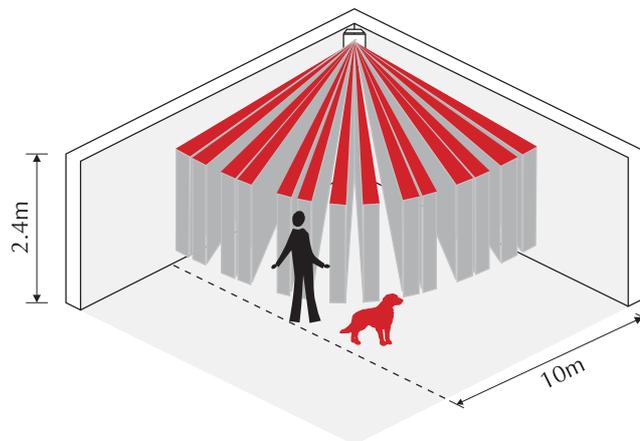
Weights & Dimensions



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 |
|------------|----------------------|
| Europe | FP05782 |

| PACKING INFORMATION | ACCESSORIES | PYRONIX PRODUCT CODE |
|---------------------|-------------|----------------------|
| Min Pack: 50 | N/A | |
| Pack Weight: 5.42kg | | |
| 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
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