The QUANTUM™ PET AWARE is a revolutionary new detector with the superior ability to discriminate between household pets and unwanted human intruders.

The QUANTUM™ PET AWARE PIR’s unique “Opposing Fields” lens technology ensures high sensitivity to large targets and excellent rejection of household pets.

Allows you to secure your home with your pets indoors.

Designed for use with a single pet weighing up to 25kg in weight, can be used with multiple pets weighing less than a total of 15kg (i.e. 2 dogs weighing 7kg each for a total of 14kg).

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**FEATURES**

- Dual PIR & Microwave technology
- True 12m x 12m wide angle coverage
- Immune to a single animal up to 25kg
- Immune to multiple animals up to 15kg
- High R.F. and E.S.D. immunity
- High white light immunity
- High rejection of 50/60Hz fluorescent light interference
- Adjustable Pulse Count
- Pre-alarm pulse indication
- Adjustable range
- Adjustable mounting height
- 9~15V DC operation
- Low current draw
1. Unclip the bottom of the lid and swing it open.

2. To remove the circuit board, press the left side Locking Clip and push the board up to clear the two bottom retaining hooks. Slide the board up and out of the base.

3. The base can be corner or flat surface mounted. Drill holes as required for mounting and mount the base securely filling any gaps or holes with a flexible sealant such as silicone.

4. Replace the board and ensure the mounting height adjustment is set correctly.

5. Wire the detector appropriately as shown in the Wiring Diagram.

6. Set the COUNT link to suit your application (see Links).

7. Replace the cover, top clip first. If the cover needs to be screw secured, use the screw provided. **Do Not Overtighten.** Cover the screw with the screw cap provided.

8. Wait approximately 60 seconds for the detector to ‘warm up’. The red Alarm LED will flash during this period.

9. Walk test the PIR coverage by walking slowly across the protected area. The green PIR LED should indicate detection at a maximum of 3 to 4 walking steps at a distance of 10m from the detector.

10. Walk test the Microwave coverage at the extremity of the area to be covered. Using the amber Microwave LED as your guide, adjust the MICROWAVE RANGE control (VR1) so that the microwave is just detecting you at this point.

11. Always use the lowest MICROWAVE RANGE and highest COUNT setting for any given area. Avoid the possibility of false alarms caused by setting the detector too sensitive for the environment.
MOUNTING LOCATION

This detector is designed for indoor use only and can be installed in wall or corner mount locations.

Always ensure the detector has a clear line of sight of the area to be protected. Blocking the detector will stop it alarming.

Corner mounting usually gives the best coverage.

The mounting surface should be solid and free of vibration.

Avoid pointing the detector towards direct sunlight, fans, moving machinery, fluorescent lights, heating or cooling sources and avoid areas of high humidity which may cause condensation on the lens.

MOUNTING HEIGHT

THE RECOMMENDED OPTIMAL MOUNTING HEIGHT OF THE QUANTUM PET SENSOR IS 2.1 TO 2.4 METRES. This height ensures maximum intruder protection whilst still maintaining false alarm immunity from pets. Mounting heights above this will markedly reduce the ability of the Quantum Pet sensor to detect an intruder in the region 2 to 3 metres surrounding the detector.

DESIGNED FOR INSTALLATION HEIGHTS OF 2.1M (MINIMUM) TO 3.1M (MAXIMUM), INSTALLING THE DETECTOR LOWER THAN 2.1 METRES MAY RESULT IN FALSE DETECTION OF PETS.

IT IS CRITICAL THAT THE MOUNTING HEIGHT MARKER ON THE CIRCUIT BOARD MATCHES EXACTLY THE INSTALLED HEIGHT OF THE DETECTOR, INCORRECT CIRCUIT BOARD MOUNTING MAY RESULT IN FALSE DETECTION OF PETS.

COVERAGE

NOTE: The Creep Zone (directly under the sensor) is not active in this detector.
PROGRAM LINKS

COUNT:
COUNT link selects two pulse count positions.
COUNT LINK ON: 1—2 Pulses or walk steps should cause an alarm.
COUNT LINK OFF: 3—4 Pulses or walk steps should cause an alarm.

The COUNT link MUST be in the OFF position when protecting an area with a pet weighing MORE than 10kg.

MICROWAVE RANGE:
The MICROWAVE RANGE rotary control (VR1) selects low—high microwave range.

ANTICLOCKWISE: Decrease microwave range
CLOCKWISE: Increase microwave range

The MICROWAVE RANGE control should be set to the minimum setting that will adequately cover the protected area.

LEDS:
The LEDS link disables all LEDs. Default position is ON.

SPECIFICATIONS

Dimensions 123 x 70 x 50mm
Mounting height 2.1m (Min) — 3.1m (Max)
Coverage 12m x 12m @ 90°
PIR Detector zones 20 dual element zones
Pulse count Selectable 1—2 or 3—4
Microwave Range Selectable Low/High
Pet Immunity Single pet up to 25kg or multiple pets up to 15kg total
PIR Sensor Dual element pyroelectric
Microwave frequency 10.525 GHz
Visual display Green: PIR LED
Amber: Microwave LED
Red: Alarm LED
Alarm period 2 seconds
Warm up period 60 seconds
Alarm output Normally Closed relay (fail safe) dry contacts with 47 Ohm resistor in series
Tamper output Normally Closed dry contacts with 47 Ohm resistor in series
Operating voltage 9~15V DC
Current draw 20mA, (28mA Walk Test)
Operating temperature 0~50°C
Operating humidity Up to 95% Relative Humidity (non condensing)

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Specifications may change without notice.