

LOCATION OF DETECTOR:

Consider the following before mounting the detector:

- Select a location from which the pattern of the PIR is most likely to be crossed by a burglar, should there be a break in.
- Select an appropriate height from the following table:

Lens Type	Recommended Installation Height
Standard	2.2m/7.2'
Pet	1.2m/4'
Long Range	2m/6.5'
Curtain	1m/3.25'

Table 1

- Avoid a location which comes in direct contact with radiators, heating/cooling ducts or air conditioners.
- Do not place the PIR in front of windows subject to direct sunlight or drafts.
- Do not place the PIR in front of bulky objects.

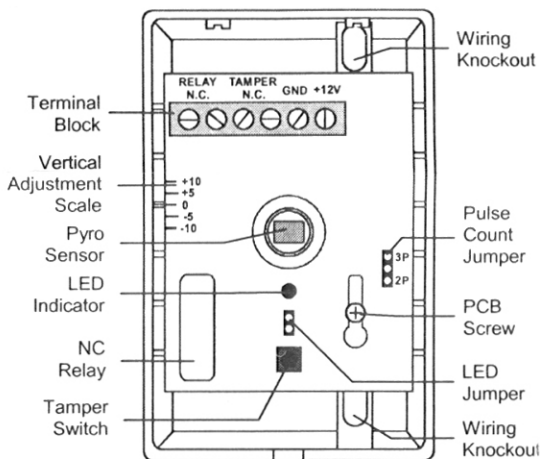


Figure 1: Quest (cover off)

INSTALLATION INSTRUCTIONS:

1. Open the housing by removing the front cover. To do so, release the locking latch at the bottom of unit.
2. Loosen the PCB hold-down screw and remove the board from the rear of the protective plastic casing. **Note: Do not touch the face of the PYRO sensor.**
3. Knock out the desired mounting and wiring holes.
4. Thread wires through the wiring holes (from the outside of the unit) using the appropriate wiring hole knock outs.
5. Attach the base to the wall.
6. Connect the wires to the terminal block – see Figure 1.
7. Mount the PCB at the required vertical adjustment setting and tighten the PCB screw.
8. Attach the front cover, making sure to click the plastic housing closed.

Standard Lens	0°	-5°	-10°
2.5m/8.2'	14	12.5	11
2.0m/6.6'	12	10.5	9.5
1.5m/4.9'	10	8.5	8

Table 2

OPERATION AND ADJUSTMENT:

- Apply 9 - 16VDC and allow the detector to stabilize for 90 seconds.
- Position the PCB by loosening the PCB screw, and sliding the PCB up or down to the required setting using the vertical adjustment scale. The detector's optimal coverage area is achieved when the PCB is positioned at 0. Sliding the PCB towards the +5 position increases the coverage area. Sliding the PCB towards the -10 position decreases the coverage area. **Note: The detector is designed to provide optimum coverage of up to 14m. Increasing the coverage area to over 14m will reduce the level of performance in the area closest to the detector.**

- The pulse counter determines the amount of beams that need to be crossed before the detector will produce an alarm signal. To set the pulse counter, refer to Table 3. **Note: The maximum pulse count for the long range and curtain lenses is 2P.**

Jumper Position	Pulse Count
Removed	1
Pins 2 & 3	2
Pins 1 & 2	3

Table 3

- Conduct a walk test by walking across the area protected by the detector. Confirm that the LED activates and deactivates accordingly. This test should be performed weekly.
- Insert the LED jumper to enable the LED indicator, remove the jumper to disable. **Note: The LED should be disabled only after successfully walk testing the detector.**

ORDERING INFORMATION:

QUEST (PIR with Standard Lens)
QUEST PL (Pet Alley Lens)

QUEST CL (Curtain Lens)
QUEST LR (Long Range Corridor Lens)

TECHNICAL SPECIFICATIONS:

Input Voltage: 9 - 16VDC
 Power Draw: Standby @ 12V - 15mA
 Max. (Alarm) @ 16V - 20mA
 Alarm Duration: 1 second (minimum)
 Pulse Count: Selectable (1, 2 or 3)
 RFI Immunity: 40V/m up to 1Ghz

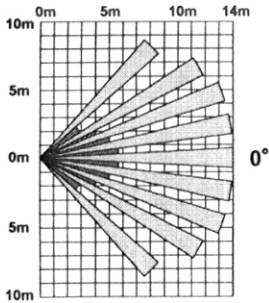
Alarm Output:
 N.C., Contact Rating 10W max.
 Max. Switching Voltage:
 30VDC not to exceed 10W
 Max. Switching Current:
 0.5A not to exceed 10W

Tamper Switch:
 N.C., Contact Rating 12VDC, 50mA max.
 Reverse Polarity Protection: Diode
 Fire Protection: ABS

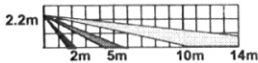
LENS RANGES (SHOWN AT 0°)

Standard Lens

Top View

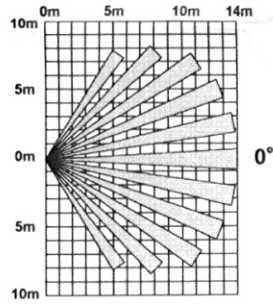


Side View

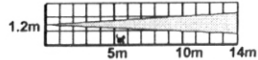


Pet Lens

Top View

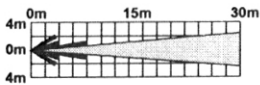


Side View

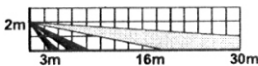


Long Range Lens

Top View

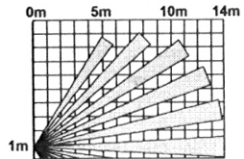


Side View

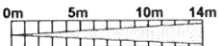


Curtain Lens

Side View



Top View



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