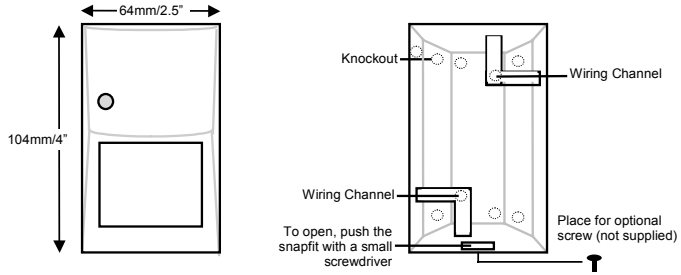
Figure 1



Location of Sensor

Consider the following before mounting the sensor:

- Select a location from which the detection pattern of the sensor is most likely to be crossed by a burglar, should there be a break in.
- Avoid a location that comes in direct contact with radiators, heating/cooling ducts or air conditioners.
- Do not place the detector in front of windows subject to direct sunlight or drafts.
- Do not place bulky objects in front of the detector.

Mounting Height (standard lens)	PCB Setting (vertical adjustment)		
	0º	-5º	-10º
2.5m	15	12	10.5
2.0m	12	9	7.5
1.5m	9.5	6.5	5

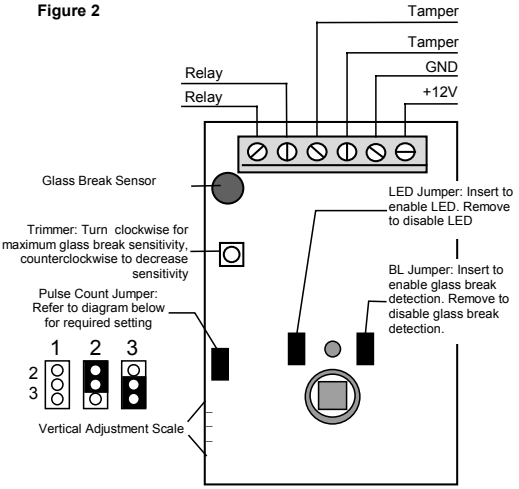
Table 1

Note: The distances indicated refer to the central lens segment (0°).

Installation

1. Remove the cover by depressing the tab situated at the bottom of the cover. (Refer to figure 1).
2. Loosen the PCB hold down screw without completely removing the circuit board. ***Note: Do not touch the face of the pyro sensor.***
3. Knock out the wiring and mounting holes – *see Figure 1*.
4. Use Table 1 to select an appropriate mounting height. ***Note: Mount the detector with the lens situated at the bottom of the unit.***
5. Connect the wires according to Figure 2.
6. Adjust the PCB setting (vertical adjustment) using Table 1.
7. Tighten the PCB hold down screw and attach the front cover.

Figure 2



Operation and Adjustment

Stabilizing the detector: After applying 9-16VDC, allow the detector to stabilize for 90 seconds.

Setting the pulse counter: The detector is supplied in 3 pulse count mode. Place the jumper over the top two pins for 2 pulses and remove the jumper for 1 pulse.

Walk testing the detector: A walk test is performed to determine whether the detector is fully functional. To do so, walk across the detection pattern of the detector (refer to the lens pattern diagrams as the pattern is determined by the lens used). Confirm that the LED activates and, after two motion free seconds, deactivates). This test should be performed weekly. Note: A walk test should be performed with the detector in the 1 pulse count mode.

Setting the LED indicator: Removing the LED jumper disables the LED indicator. Note: The LED should be disabled only after successfully walk testing the detector.

Setting the glass break sensitivity: Turn the trimmer clockwise for maximum glass break sensitivity and counter-clockwise to reduce sensitivity. ***Note: Setting the glass break sensitivity too high may result in false alarms due to the detection of sounds other than breaking glass.***

Disabling glass break detection: Remove the BL jumper for PIR detection only – *see Figure 2*.

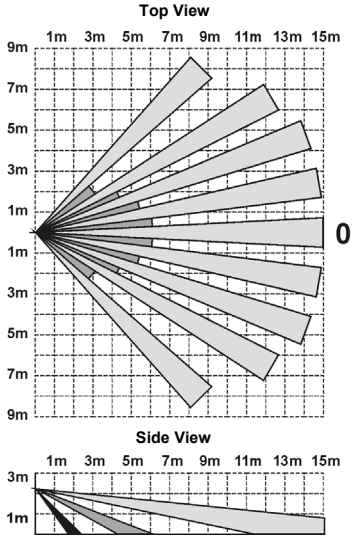
Troubleshooting

PROBLEM	PROBABLE CAUSE	SOLUTION
Detector does not reach the required range.	Incorrect vertical adjustment.	Using table 1, adjust the PCB setting to the correct height.
The LED indicator does not function.	Improper DC connection or LED jumper removed.	Check if the DC power supply is properly connected and the LED jumper is installed.
False detection.	Moving object in detection area (such as curtains). Rapid temperature change (heater etc.) in detection area. Glass break sensitivity set too high.	Refer to the mounting recommendations outlined above. If necessary, mask off problematic zones. Reduce the sensitivity level.

Table 2

Technical Specifications

Input Voltage: 9 -16 VDC
Current Consumption: 19mA (standby), 33mA (alarm)
Alarm Output: N.C., Contact Rating 10W max.
Switching Voltage: 30VDC not to exceed 10W
Switching Current: 0.3A not to exceed 10W
Tamper Switch: N.C.
Contact Rating 30VDC, 50mA max.
PIR Coverage: 15m
Detection Zones: 3 planes of view, multi-level
PIR Sensor: Dual pyroelectric element
Glass break detection: Audio discriminator
LED Indicator: Jumper Selectable
Pulse Count: Selectable (1, 2 or 3)
Temperature Compensation: Thermistor
Reverse Polarity Protection: Diode
Weight: 150g



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