

EAGLE PIR-6

Passive Infrared Detector • 1, 2 or 3 Pulse Count • 360° Coverage

Mounting

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

Installation Instructions

1. Remove the front cover from the base of the detector.
2. Remove the PCB by loosening the PCB hold-down screw. **Note: Do not touch the face of the PYRO sensor.**
3. Knock out the mounting and wiring holes situated on the base of the unit.
4. Thread the wires through the wiring holes (from the outside of the unit) using the appropriate wiring hole knockouts.
5. Attach the base to the ceiling using the appropriate mounting knockouts
6. Attach the PCB to the base and connect the wires as shown in figure 1. **Note: Electronics Line 3000 recommends using 20 - 22 AWG connection cable.**
7. Attach the front cover to the base. **Note: This equipment should be installed in accordance with the NFPA 70 standard.**

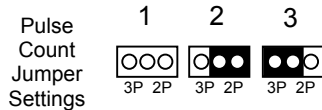
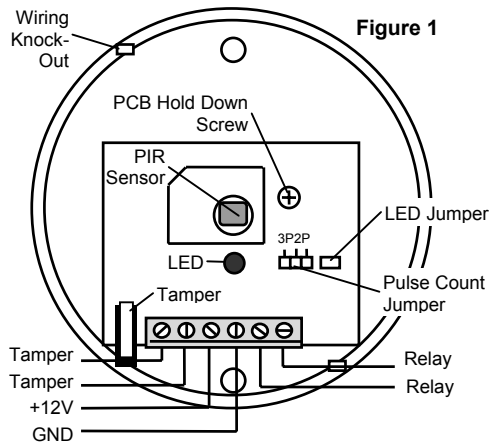


Figure 2

Operation and Adjustment

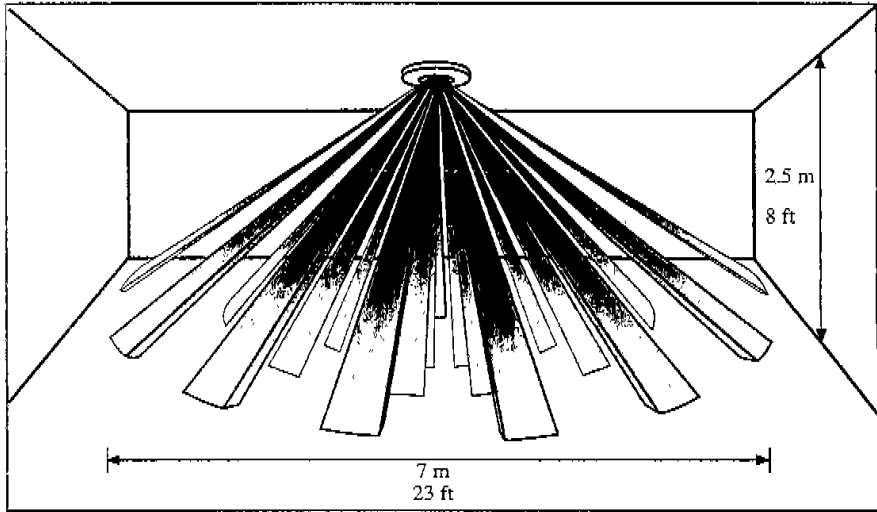
Setting the pulse counter: The detector is supplied in the 3 pulse count mode. Refer to figure 2 for the jumper settings to adjust the detector to 1 or 2 pulse count modes.

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

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 figure 3) Confirm that the LED activates and deactivates accordingly. 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.**

Figure 3



Technical Specifications

Detection Method:	Passive Infrared
Coverage:	Diameter 7m (23 feet)
Detection Zones:	31 Dual Beam
Recommended Mounting Height:	2.5m
Temperature Compensation:	Thermistor
Alarm Duration:	1 second minimum.
Alarm Output:	Dry Contact N.C. 500mA 200Vdc
Tamper Switch:	Dry Contact N.C. 3A, 200Vdc
Pulse Count:	Selectable (1, 2 or 3)
Warm-Up Period:	90 seconds
Input Voltage:	9 - 16Vdc
Current Consumption:	15mA@12V (standby)
Reverse Polarity Protection:	Diode
Fire Protection:	ABS
Weight:	170g



Electronics Line

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