

INF-PIR

The INF-PIR is a wireless PIR sensor designed for use with the infinite alarm system. The detector implements a feature to combat the problem of multiple transmissions, which drastically reduce the life of the batteries. After a transmission is made, the INF-PIR initiates a four-minute delay during which transmissions will not be sent.

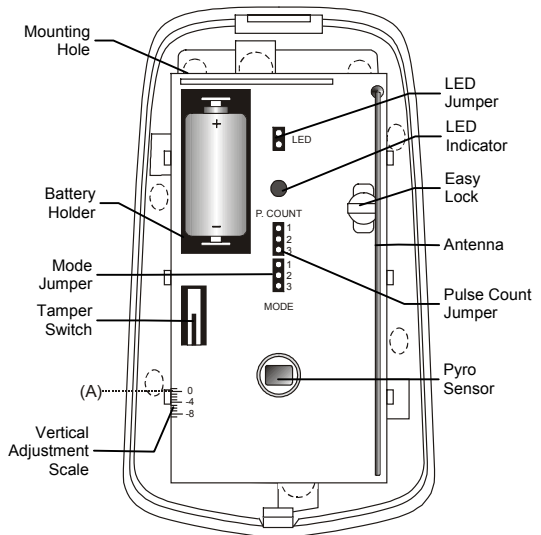
Location of Detector

Consider the following before mounting the detector:

- 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.
- Do not place bulky objects in front of the detector.
- Avoid a location which comes in direct contact with radiators, heating/cooling ducts and air conditioners.
- Select an appropriate installation height from the following table:

Lens Type	Recommended Installation Height
Standard	2.2m (6.6ft)
Long Range	2m (6.5ft)
Curtain	1m (3.25ft)

Table 1



Note: The Vertical adjustment scale relates to the top edge of the adjacent plastic stud (A)

Figure 1: INF-PIR (Cover Off)

Installation

1. Open the housing by removing the front cover. To do so, insert a screwdriver in the release slot (located at the bottom of the detector between the front and back cover). Turn the screwdriver 90° to release the cover.
2. Remove the PCB by turning counter-clockwise and removing the "Easy Lock". **Note: Do not touch the face of the PYRO sensor.**
3. Apply battery power by removing the isolator that separates the battery from the contacts on the battery holder.
4. Place the Mode jumper over pins 2 & 3 (Registration Mode); the LED flashes. **Note: Install the Mode jumper only after applying battery power.**
5. Set the receiver to Registration mode and wait for the receiver to indicate that the transmitter has been registered successfully. Alternatively, the INF-PIR can be registered to the receiver by manually entering the transmitter's serial number. **Note: The receiver allocates a transmitter number to each registered unit. Write this number and the number of the zone on the sticker provided. Affix the sticker inside the front cover for future reference.**
6. Remove the jumper and place it over one pin for storage - see *Mode Jumper Safeguard*.
7. Choose an appropriate mounting height from Table 1 and test the transmitter from the exact mounting position before permanently mounting the unit.
8. Knock out the mounting holes and attach the base to the wall.
9. Mount the PCB at the required vertical adjustment and replace the PCB screw.
10. Replace the front cover.

Operation and Adjustment

Warm-Up Time: The detector will need to warm up for the first 90 seconds after applying power.

Setting the pulse counter: The pulse counter determines the amount of pulses that need to be received for the detector to generate an alarm. To set the pulse counter, refer to Table 2.

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

Table 2

Vertical Adjustment: To position the PCB, turn the Easy Lock counter-clockwise and slide the PCB up or down to the required setting using the vertical adjustment scale. The detector's coverage area is 14m x 14m when the PCB is positioned at 0. Slide the PCB up towards the -8 position to decrease the coverage area bringing the beams closer to the mounting wall.

Walk Test Mode: A walk test is performed in order to determine the lens coverage pattern of the detector – see Figure 2. Walk Test mode cancels the delay time between detections, enabling you to perform an efficient walk test.

To walk test the detector:

1. Place the Mode jumper over pins 1 & 2.
2. Walk across the scope of the detector according to the detection pattern selected.
3. Confirm that the LED activates and deactivates accordingly. Wait five seconds after each detection before continuing the test.
4. After completing the walk test, remove the jumper and place it over one pin for storage - see *Mode Jumper Safeguard*.

LED indication: The LED indicator is lit twice every time a transmission is made. Insert the LED jumper to enable LED indication and remove the LED jumper to disable LED indication. **Note: The LED should only be disabled after successfully walk testing the detector.**

Mode Jumper Safeguard: During normal operation, the Mode jumper should be placed over one pin for storage. When the mode jumper is placed over two pins, the detector is either in Registration or Walk Test Mode. As a precaution, these modes are limited to four minutes. After the four minutes have expired, the detector switches back to normal operation. If this happens, you can reset a mode by removing and replacing the mode jumper.

Technical Specifications

Antenna: Built-in Internal Whip

Frequency: 433.92MHz, 418MHz or 868.35MHz FM

Power: 3.6V ½ AA Lithium Battery

Caution: Fire, explosion and severe burn hazard!
Do not recharge, disassemble or heat above 100°C.

Current Consumption: 30mA (transmission)
 6µA (standby)

Pyroelectric Sensor: Dual Element

Maximum Coverage: 14 x 14m

Pulse Count: 1, 2 or 3 Jumper Selectable

LED Indicator: Jumper Selectable

Adaptive Temperature Compensation

RFI Immunity: 30V/m

Operating Temperature: -10 to 60°C

Fire Protection: ABS Plastic Housing

Dimensions: 110 x 60 x 45mm

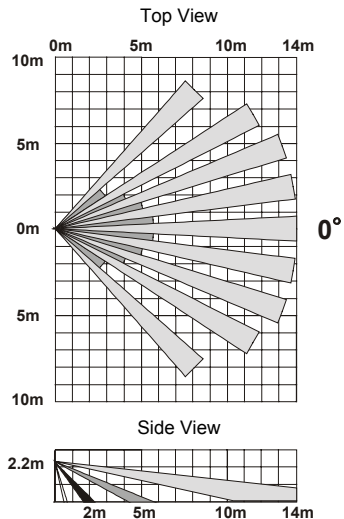


Figure 2: Standard Lens Coverage Diagram



ESP- Electronics Line UK

Unit 7, Levens Trading Estate, Station Road,
 Stechford, Birmingham B33 9AE.

Tel: (44-121) 789-8111, Fax: (44-121) 789-8055

IF YOU REQUIRE FURTHER ASSISTANCE
 PLEASE CALL OUR HELPLINE 0121 786 1881,
 SEND A FAX 0121 789 8055

OR AN EMAIL VIA OUR WEBSITE www.espuke.com



Electronics Line

All data is subject to change without prior notice. In no event shall Electronics Line (E.L.) be liable for an amount in excess of E.L.'s original selling price of this product, for any loss or damage whether direct, indirect, incidental, consequential or otherwise arising out of any failure of the product.

Hereby, Electronics Line declares that this detector is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. 868.35MHz frequency transmitters are not intended for use in Bulgaria, Greece, Poland and Slovenia.



Z10287A (6/03)