

The EL-2645PI is a Wireless Motion Pet Detector designed for use with Electronics Line's supervised wireless range of receivers. The sensor is designed for pet installations and provides good immunity to nuisance alarms caused by pets weighing up to 36kg (80lbs).

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 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.

Pet Immunity Guidelines

It is expected that the detector will eliminate false alarms caused by animals up to 36kg/80lbs, several small rodents and random flying birds.

Note: The weight of the animal should only be used as a guide, other factors such as the length and color of fur also affect the level of immunity.

For maximum pet immunity the following guidelines are recommended:

- Mount the center of the detector at a height of 2.0m.
- Do not aim the detector at stairways that can be climbed by an animal.
- Avoid a location where an animal can come within 1.8m of the detector by climbing on furniture, boxes or other objects.

Installation Instructions

1. Open the housing by inserting a screwdriver in the release slot (located at the bottom of the detector), and twisting until the front cover is detached.
2. Remove the PCB by turning counter-clockwise and removing the 'PCB Screw'.
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. Set the receiver to Registration mode and cause Tamper or Alarm transmission. Wait for the receiver to indicate that the transmitter has been registered successfully.
5. Write the number of the zone and the transmitter number (if applicable) on the sticker provided.
6. Affix the sticker inside the front cover for future reference.
Note: Alternatively, the Detector can be registered to the receiver by manually entering the transmitter's serial number.
7. Choose an appropriate mounting height (2.0m is recommended for maximum pet immunity)

- 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. If using the rear tamper switch, insert a screw into the rear tamper mounting hole located in the center of the back cover – see Figure 3. When the detector is removed from the wall, the screw causes the tamper release to break away from the back cover and the rear tamper switch is released.
10. Mount the PCB on the base cover and replace the PCB Screw.
11. Replace the front cover.

DIP Switches Settings



Switch	
1	PIR sensitivity * Off: Low On: High
2	Operation mode: * Off: Normal mode – Every 3 minutes. After each detection the sensor initiates a three-minute delay during which alarm transmissions will not be sent On: Walk Test mode. An alarm transmission is sent after each detection
3	Supervision Time: Off: As supervision message will be sent to the monitoring station every 15 minutes * On: As supervision message will be sent to the monitoring station every 65 minutes
4	LED Off: LED disabled * On: LED enabled

*=Default

Operational Modes

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

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. Set DIP- 2 to ON.
2. Walk across the scope of the detector according to the detection pattern selected.

3. Confirm that the LED activates and deactivates accordingly. Wait for ten seconds after each detection before continuing the test.
4. After completing the walk test, set DIP-2 to OFF.

LED Indication

The LED indicator is lit every time a transmission is made. To enable/disable LED indication.

Battery Replacement

In case of a low battery (2.5V and below), the sensor low battery condition is reported to the Control System and low battery message is displayed.

To replace the battery: Open the housing by removing the front cover (see Installation Instructions), replace the battery and close the front cover.

Note: Close the front cover immediately after each battery replacement.

Technical Specifications

Frequency: 868.35, 433.92 MHz
 Power: 3.6V ½ AA Lithium Battery
Caution: Fire, explosion and severe burn hazard! Do not recharge, disassemble or heat above 100°C (212F).
 Current Consumption: 30mA (transmission), 8µA standby)
 Pyroelectric Sensor: Dual Element
 Maximum Coverage: 11 x 11m
 Adaptive Temperature Compensation
 RFI Immunity: According to EN 50130-4
 Operating Temperature: -10 - 40°C
 Fire Protection: ABS Plastic Housing
 Dimensions: 110 x 60 x 45mm

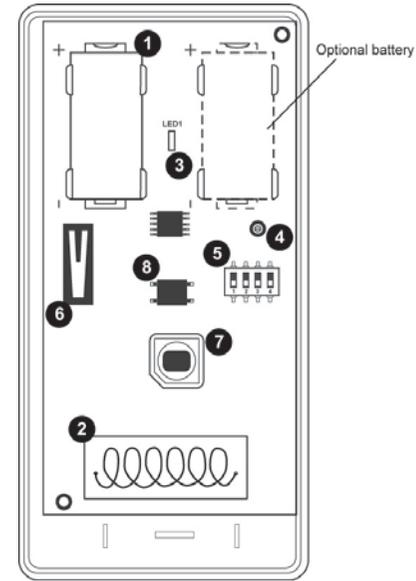


Figure 1: PCB

1. Battery Holder
2. Antenna
3. LED Indicator
4. PCB Screw
5. DIP Switch
6. Tamper Switch
7. Pyro Sensor
8. Back Tamper

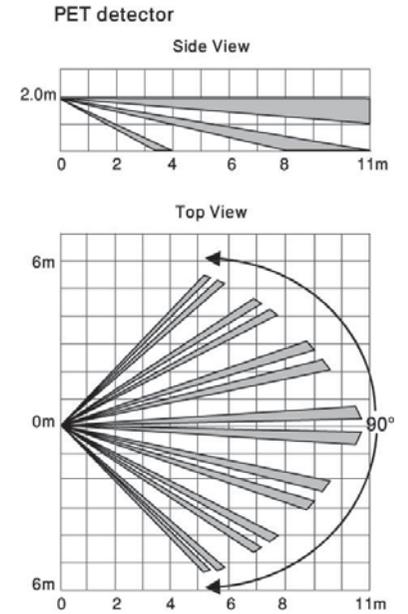


Figure 2: Lens Coverage

Note: The diagram shows the coverage pattern for the detector fitted with a standard lens

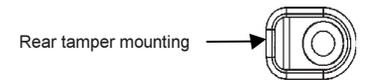


Figure 3: Rear Tamper Release



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