

## Wireless Pet PIR Sensor

### TRX PIR

2 way wireless pet PIR sensor for  
ESL & ESL-2 control panels



2 Way Wireless

5 Year Warranty

25Kg Pet Resistant

Monitored & Supervised

Outdoor Range Up to 50m (clear line of sight)

Wireless Indoor Range Up to 30m



## Wireless Technology

5 Year **Warranty**

**PRODUCT DESCRIPTION 3**

**TRX PIR Specifications**

This PIR is a battery powered passive infrared motion detector with a built-in transmitter. This transmitter can be used in a variety of motion detection applications. When the passive infrared sensor detects motion in its field of view, the transmitter sends a wireless signal to the receiver.

The sensor will monitor the infrared level in its detection pattern. If the level increases or decreases rapidly (as when a person moves through the area) the transmitter triggers, sending an alarm signal to the receiver.

This PIR sends three different signals: "Alarm", "Low Battery" and "Tamper".

The unit is powered from a 3 volt lithium battery. The life of the battery depends upon the activity in the area where the detector is installed. When the battery is low, a low battery signal will be sent to the receiver.

In a typical installation, the motion detector is wall mounted indoors.

If the detector cover is removed, the tamper switch triggers the transmitter to send an alarm.

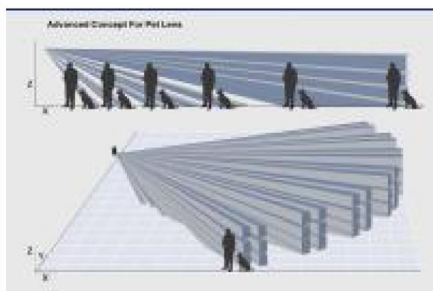
This PIR has a unique Automatic Power Saver (APS) circuit designed to conserve battery life. This APS circuit rearms the transmitter 2 minutes after the last movement has been detected.

**FEATURES**

**DETECTION PATTERN**

**TYPICAL INSTALLATION**

- Low current ASIC PIR technology
- Powered by a 3 volt lithium battery
- Built in Automatic Power Saver (APS)
- Low battery report
- Tamper report
- Walk test mode 1 for PIR coverage
- Walk test mode 2 for RF signal
- Pet immune up to 27Kg
- Available in 303Mhz, 433Mhz & 915Mhz
- Adjustable Mounting Bracket
- 2 Transmission modes, power save (normal) and Frequent (test)



Select the mounting location so that an intruder will cross the beams of the selected pattern. Since the detector is a wireless transmitter, do not install it in areas where large metal objects could interfere with the transmission of signals.

Avoid mounting the detector as follows:

- Facing a door with a wireless door/window transmitter.
- Facing direct sunlight.
- Facing areas that may change temperature rapidly.
- Facing an air duct or areas with substantial airflows.
- On or near metal surfaces.

The DFW performs best when provided with a constant and stable environment.

**PROGRAMMING DMP INTO AN ELITE S / ELITE S LITE CONTROL PANEL**

**COMPATIBLE RECEIVERS / DEVICES**

**Enabling & Assigning Radio Zones**

Enabling & Assigning radio zones are both setup under address P122E.

**P 122 E (1-16) E** (Turn On Options 1 & 5)  
 ↑    ←    Zone 1 to 16 that you wish to Change

**Radio Detector Type**

The DMP transmits in the Crow Merlin PIR (supervised ignored) protocol, the alarm panel must be set to the same protocol (1), under address P127E.

**P 127 E (1-16) E 1 E**  
 ↑    ←    Zone 1 to 16 that you wish to Change

**Learning Radio Device**

Insert the 3volt battery into the DMP, then Hold Down the Tamper Switch. Now go to address P164E and choose a zone slot 1-16 and Enter

**P 164 E (1-16) E** =the keypad should start beeping.  
 ↓    ↓    Zone slot 1 to 16 that you wish to learn in to.

**Now Release the Tamper Switch, the TX LED should come On.**  
 =the keypad should stop beeping.

(For other control panels please follow the manufactures installation manual)

This PIR will work on: Elite S, Elite S Lite, ESL & ESL-2 control panels

Compatible Receivers:  
 TRX-TRANSCIEVER-PCB only

**TECHNICAL SPECIFICATION**

**WARRANTY**

<i>Event Transmission</i>	<i>Alarm, Test, Low Battery</i>
<i>Detection Method</i>	<i>Quad Element PIR (ASIC Based)</i>
<i>Detection Speed</i>	<i>1 ~ 5 ft/sec. (0.3 ~ 1.5 m/sec)</i>
<i>Lens Type</i>	<i>Spherical Hard Lens</i>
<i>Detection Coverage</i>	<i>90° 50 ft x 50 ft (15m x 15m)</i>
<i>Environment Condition</i>	<i>Switch for Normal or Harsh selection</i>
<i>Battery</i>	<i>Lithium. 3V Type: xx123</i>
<i>Current Consumption</i>	<i>Standby: 8-10 mA Transmission: TBD</i>
<i>Power Saving</i>	<i>APS (Automatic Power Saver)</i>
<i>Installer Test Modes</i>	<i>LED Indicator (RF &amp; Optic)</i>
<i>Operation Temperature Range</i>	<i>-10°C to +60°C</i>
<i>Dimensions</i>	<i>4.8" x 2.5" x 1.45" (122mm x 63mm x 37mm)</i>
<i>Weight (inc. battery)</i>	<i>3.88Oz (110 gr)</i>

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