Product Summary

A motion sensor (passive-infrared or PIR) detects movement within a specific area by sensing the infrared energy emitted from a body as it moves across the sensor’s field of view. When this motion is detected, the sensor transmits an alarm signal to the control panel.

Use this motion sensor to protect locations where door/window sensors are impractical or not needed. For example, use a motion sensor to protect large areas or open floor plans. Motion sensors also provide backup protection for door/window sensors.

The ITI® Pet Immune SAW PIR utilizes advanced signal processing, a new custom designed lens, and a new custom designed sensing element. The combination of these improvements provides false alarm immunity for pets with a combined weight of up to 40 pounds (18 kg) while still providing superior human catch performance.

This wireless motion sensor includes the following features:

- 35 feet by 40 feet (10.6 m by 12 m) coverage area
- Three minute transmitter lockout time after an alarm that helps extend battery life
- Cover-activated tamper (optional wall-activated tamper is included)
- Supervisory signals transmitted every 64 minutes to the control panel
- Sensor low battery reports (trouble) to the control panel
- Field-selectable sensitivity options (standard setting required for pet applications)

Installation Guidelines

This PIR was designed for indoor use in the presence of pets having a combined weight of up to 40 pounds (18 kg). The following installation guidelines must be met to provide this false alarm immunity.

- The sensor must be incline-mounted on a wall surface or incline mounted in a corner at a mounting height of 7.5 feet (2.3 m). See Figure 4.
- The sensitivity switch must be set to Standard.
- The pet must not be allowed to climb on objects such as furniture, boxes, etc. within the field of coverage. See Figures 2 and 3 to determine the sensor’s field of coverage.
- Room temperature must be kept between 60° and 120° F (16° and 49° C).
- If possible, locate sensors within 100 feet (30.5 m) of the panel. While a transmitter may have a range of 500 feet (152 m) or more out in the open, the environment at the installation site can have a significant effect on transmitter range. Sometimes a change in sensor location can help overcome adverse wireless conditions.
- Position the sensor to protect an area where an intruder would be most likely to walk across the detection pattern (see Figure 1).
- Mount the motion sensor on an insulated, outside wall facing in.
- Mount the motion sensor on a rigid surface which is free from vibrations.
- Position the sensor so it faces a solid reference point, like a wall.
- Do not aim the sensor at windows, fireplaces, air conditioners, area heaters, forced air heating vents, or place it in direct sunlight.
- Do not mount the sensor near duct work or other large metallic surfaces which may affect the RF signals (see “Final Testing” on page 4). Actual acceptable transmitter range should be verified for each installation.
- Mount the sensor permanently on a flat wall or in a corner. Do not set it on a shelf.
- Windows should be closed in any area which has an armed motion sensor.

Figure 1. Overhead (Bird’s Eye View) Detection Path
To mount the sensor:

1. Remove the mounting plate by depressing the button on the top of the sensor body. With the opposite hand pull the mounting plate away from the body of the sensor.

2. Punch out two of the bottom four mounting holes. See Figure 4 for wall mount options. See Figure 5 to determine which knockouts to use when mounting the motion sensor. Use the lower-side holes for corner mounting, or the lower-middle holes for surface mounting.

3. If you desire wall-tamper functionality, remove the wall-tamper knockout (see Figure 5).

**Note**
The wall-tamper switch cannot be used when the sensor is corner mounted.

4. Mark the location of the required holes on the mounting surface.

5. Use wall anchors and screws to secure into place. Attach the sensor to the mounting plate.

6. When testing is completed the PIR can be securely attached to its mounting plate by screwing the smallest enclosed screw into the hole at the top of the mounting plate.

**Setting the Sensitivity on the Indoor Motion Sensor**

For pet applications, the PIR must be set to standard sensitivity.
Walk Testing

Walk testing should be done to determine the sensor’s actual coverage area. The edge of the coverage pattern is determined by the first flash of the LED. This may change slightly depending upon the sensitivity setting. Walk test the unit from both directions to determine the pattern boundaries.

1. Remove the sensor body from the mounted mounting plate, activate the tamper switch, and then remount the body to activate the 60 second walk test mode.
2. Walk across the coverage pattern to determine the coverage area, indicated by LED activation. Each activation extends the walk test mode for an additional 60 seconds.

After 60 seconds without motion the walk test mode and the LED will no longer activate when motion is detected.

Environment Testing

Turn on all heating or air conditioning sources which would normally be active during the protection period. Stand away from the sensor and outside the coverage pattern and watch for alarms.

Programming

Refer to the panel installation instructions for information on programming the sensor into the panel.

To trip the sensor:

1. Remove the PIR from its mounting plate activating the tamper switch.
2. Exit the panel’s programming mode.
3. Return the PIR to its mounting plate.

Final Testing

Final testing should be done to verify radio signal integrity and confirm control panel programming and response. The actual transmitter range can be determined by performing a sensor test as follows:

1. After the sensor has been mounted, remove it from its mounting plate and activate the tamper switch to start the walk test mode.
2. Replace the sensor in its mounting plate.
3. Place the control panel in test mode. Move across the detection pattern until the sensor’s LED turns on. STOP your motion.
4. Listen for the appropriate system response. If the system does not respond, proceed to “Troubleshooting” on page 4.

Replacing and Disposing of Batteries

The sensor is powered by 2 AA alkaline batteries. When the system indicates the sensor has low batteries, replace the batteries immediately.

When battery replacement is necessary, observe proper polarity (as shown in the battery compartment) when installing the new battery, or the sensor may be damaged. Be sure to note that as you look at the battery compartment, on the left side the positive battery end is down and on the right side the positive end is up. When the battery is replaced, wait at least 3 minutes after installing the battery before activating the walk test mode.

CAUTION!
Replace only with 2 AA Alkaline batteries. Observe polarity when installing new batteries. Installing the batteries backward may cause damage to the sensor.

Dispose of used batteries according to the manufacturer’s instructions and/or local government authorities. See Figure 7 for battery locations.
Troubleshooting

Use the following guidelines if the system does not respond correctly when the sensor is activated.

- Check programming and reprogram sensor into panel if necessary.
- Move the sensor to another location and test for correct response.

To relocate a sensor:

1. Test the sensor a few inches from the original position.
2. Increase the distance from the original position and retest until an acceptable location is found.
3. Mount the sensor in the new location.
4. If no location is acceptable, test the sensor as described below:
   - Test a known good sensor at the same location.
   - If the system does not respond, avoid mounting a sensor at that location.
   - If the replacement sensor functions, return the problem sensor for repair or replacement.

Specifications

- **Power source:** 2 AA alkaline batteries
- **Typical battery life:** 2-4 years at 68°F (20°C)
- **Operating temperature range:**
  - 32°F to 110°F (0°C to 43°C) Non-pet applications
  - 60°F to 110°F (16°C to 43°C) Pet applications
- **Storage temperature range:**
  - -30°F to 140°F (-34°C to 60°C)
- **Humidity:** 95% RH
- **Dimensions:**
  - L = 2.9” (7.3 cm)
  - W = 2.4” (6 cm)
  - H = 1.9” (5 cm)

Notices

Approved for use in the countries marked with a check (√).

- √ Austria
- ( ) Liechtenstein
- √ Belgium
- ( ) Luxembourg
- √ Denmark
- √ Netherlands
- ( ) Finland
- ( ) Norway
- √ France
- ( ) Poland
- ( ) Germany
- √ Portugal
- ( ) Greece
- √ Spain
- ( ) Iceland
- √ Sweden
- ( ) Ireland
- ( ) Switzerland
- ( ) Italy
- √ United Kingdom
MANUFACTURERS DECLARATION OF CONFORMITY

For

Product identification
- Product: Pet Immune SAW PIR Motion Sensor
- Brand: Interlogix
- Model/type: 60-807-43-EUR

Manufacturer
- ITI
  2266 2nd St. N.
  N. St. Paul, MN 55109
  USA

EU Representative
- Interlogix
  Excelsiorlaan 28
  B-1930 Zaventum
  Belgium

Concerning R&TTE

<table>
<thead>
<tr>
<th>Concerning</th>
<th>R&amp;TTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>A sample of the product has been tested by:</td>
<td>Mikes Product Service</td>
</tr>
<tr>
<td>Test report:</td>
<td>T14152-1-02SM</td>
</tr>
</tbody>
</table>

Means of conformity

We declare under our sole responsibility that this product is in conformity with Directive 93/68/EEC (Marking) and complies to the essential requirements of 1999/5/EC (R&TTE) based on test results using (non)-harmonized standards in accordance with the Directives mentioned.