DS937 Motion detector 360° ceiling 50ft (15m)
Classic Line PIR CM

The ceiling mount DS937 PIR Detector provides panoramic coverage (360° x 14 m [50 ft]). Its low profile design provides a recessed-mount look, even when surface mounted. The wiring and programming options can be accessed without having to remove the detector from the ceiling. With a 14 m (50 ft) diameter coverage pattern, it is an ideal ceiling mounting choice for applications that require spot or 360° detection.

System overview

Functions

Alarm Display
Red LED (on/off selectable) lights on detection for 2.0 ±0.5 sec.

Alarm Memory
Memory Input allows LED to latch if detector alarms during alarm period. First-to-alarm signal allows indication of first detector to alarm when multiple units are used on the same loop.

Certifications and approvals

<table>
<thead>
<tr>
<th>Region</th>
<th>Regulatory compliance/quality marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>RCM [DS937]</td>
</tr>
<tr>
<td>Europe</td>
<td>CE [DS937]</td>
</tr>
<tr>
<td>Russia</td>
<td>GOST EAC</td>
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</tbody>
</table>

Installation/configuration notes

Top View
Standard coverage varies by mounting height. 360° x 14 m (50 ft) diameter when mounted at 3.7 m (12 ft).
Intrusion Alarm Systems

- DS937 Motion detector 360° ceiling 50ft (15m)

**Side View**
Standard coverage varies by mounting height. 360° x 14 m (50 ft) diameter when mounted at 3.7 m (12 ft).

**Parts included**

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Component</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DS937 Panoramic detector</td>
</tr>
</tbody>
</table>

**Technical specifications**

**Detection**

- Zones: A total of 50 detection zones
- Speed: 0.2 m/s ~ 5.0 m/s (0.5 ft/s ~ 15 ft/s)
- Pulse Count Selectability: 1, 2, 3, or 4 pulses

**Enclosure Design**

- Dimensions: 12.7 cm x 3.8 cm (5 in. x 1.5 in.)
- Weight: 176 g (6.2 oz)

**Environmental Considerations**

- Humidity: 0 to 95% humidity non-condensing
- Operating Temperature: -10°C to +49°C (+14°F to +120°F)
  
  *For UL Listed Applications, 0°C to +49°C (+32°F to +120°F)*

**Mounting**

- Height Range: 2.4 m to 3.7 m (8 ft to 12 ft) recommended

**Outputs**

- Relay: Dry Contact (NC) rated at 30 VDC, 500 mA, 10 W maximum

**Tamper Switch**: Integral NC, cover-activated

**Power Requirements**

- Current Draw: 17 mA maximum at 12 VDC
- Voltage: 9 VDC to 30 VDC, 7.5 VAC to 24 VAC
- Warm-Up Period: 35 ±3 seconds

**Ordering information**

DS937 Motion detector 360° ceiling 50ft (15m)
Provides low profile design, PIR, 360° x 14 m (50 ft) panoramic coverage.
Order number **DS937 | 4.998.126.094**

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