DS96 Low Profile Panoramic PIR Detector

The ceiling mount, low profile panoramic DS936 PIR Detector uses alternate polarity pulse count. It also uses a pointable Fresnel lens to provide up to 7.5 m (24 ft) of coverage and can be mounted on the surface, or semi-flush directly to a ceiling or a standard octagonal electrical box.

System overview

Functions

Enhanced Signal Processing
Field-selectable for standard, intermediate or high.

Test Features
External visible alarm LED. Internal noise voltage test pins provide precise pattern location and background disturbance evaluation using a standard analog meter.

Certifications and approvals

<table>
<thead>
<tr>
<th>Region</th>
<th>Regulatory compliance/quality marks</th>
</tr>
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<tbody>
<tr>
<td>Europe</td>
<td>CE EMC, LVD, RoHS [DS936]</td>
</tr>
<tr>
<td>Russia</td>
<td>GOST TC Н RU Д-НЛ.МН09.В.00334 EAC</td>
</tr>
<tr>
<td>USA</td>
<td>UL [DS936]</td>
</tr>
<tr>
<td></td>
<td>UL UL 639 - Standard for Intrusion Detection Units</td>
</tr>
<tr>
<td>China</td>
<td>CCC 2009031901000548</td>
</tr>
</tbody>
</table>

Installation/configuration notes

Top View
Broad Coverage: Up to 7.5 m x 360° (24 ft x 360°). Provides 360° coverage pattern. Coverage diameter is approximately two times the mounting height.

Side View
Broad Coverage: Up to 7.5 m x 360° (24 ft x 360°). Provides 360° coverage pattern. Coverage diameter is approximately two times the mounting height.
Intrusion Alarm Systems

- DS936 Low Profile Panoramic PIR Detector

Technical specifications

Enclosure design

<table>
<thead>
<tr>
<th>Material</th>
<th>High impact ABS plastic enclosure</th>
</tr>
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<tbody>
<tr>
<td>Dimensions</td>
<td>3.05 cm x 11.7 cm (1.2 in. x 4.6 in.)</td>
</tr>
</tbody>
</table>

Environmental considerations

<table>
<thead>
<tr>
<th>Temperature (operating)</th>
<th>-29°C to +49°C (-20°F to +120°F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>For UL Certified installations,</td>
<td>0°C to +49°C (+32°F to +120°F)</td>
</tr>
<tr>
<td>Radio Frequency Interference (RFI) Immunity</td>
<td>No alarm or setup on critical frequencies in the range from 26 MHz to 950 MHz at 50 V/m.</td>
</tr>
</tbody>
</table>

Mounting

<table>
<thead>
<tr>
<th>Height range</th>
<th>2 m to 3.6 m (7 ft to 12 ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location</td>
<td>Surface or semi-flush on ceiling or on standard 10 cm (4 in.) octagonal electrical box</td>
</tr>
<tr>
<td>Pattern pointability</td>
<td>±15° rotational</td>
</tr>
</tbody>
</table>

Outputs

<table>
<thead>
<tr>
<th>Alarm</th>
<th>Normally-closed reed relay rated at 3.0 W, 125 mA at 28 VDC for resistive loads and protected by a 4.7 Ω resistor in the common C leg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tamper</td>
<td>Normally-closed cover activated tamper switch with separate terminals. Tamper contacts rated 125 mA at 28 VDC maximum.</td>
</tr>
</tbody>
</table>

Power requirements

<table>
<thead>
<tr>
<th>Current</th>
<th>20 mA at 12 VDC</th>
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<tbody>
<tr>
<td>Voltage</td>
<td>10 VDC to 15 VDC</td>
</tr>
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</table>

Ordering information

DS936 Motion detector 360° ceiling 24ft (7.5m)
Provides enhanced signal processing, 360° x 7.5 m (24 ft) pattern, mounts to surfaces, or mounts semi-flush into a ceiling.
Order number DS936 | 4.998.800.224 F.01U.382.211

DS936B Motion detector 360° ceiling 24ft black
Provides enhanced signal processing, 360° x 7.5 m (24 ft) pattern, mounts to surfaces, or mounts semi-flush into a ceiling. Black housing and white lens.
Order number DS936B | F.01U.381.617 F.01U.263.679

DS936-FRA Low Profile Panoramic PIR Detector
For use in France. Provides enhanced signal processing, 360° x 7.5 m (24 ft) pattern, mounts to surfaces, or mounts semi-flush into a ceiling.
Order number DS936-FRA | 4.998.126.093

DS936-CHI Motion detector 360° ceiling 24ft (7.5m)
For use in China. Provides enhanced signal processing, 360° x 7.5 m (24 ft) pattern, mounts to surfaces, or mounts semi-flush into a ceiling.
Order number DS936-CHI | F.01U.391.657 F.01U.002.820

Accessories
DS951-CHI Motion detector, 50ft (15m)
Test cord for connecting a compatible detector’s test pins to a voltmeter. It is 4.6 m (15 ft.) long.
Order number TC6000 | 4.998.800.317

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