

DS937 Panoramic Detector

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Invented for life



- ▶ Low profile design
- ▶ 360° up to 14 m (50 ft) coverage
- ▶ Easy installation
- ▶ First to alarm and alarm memory control
- ▶ AC or DC operating voltage

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.

Functions

Alarm Display

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

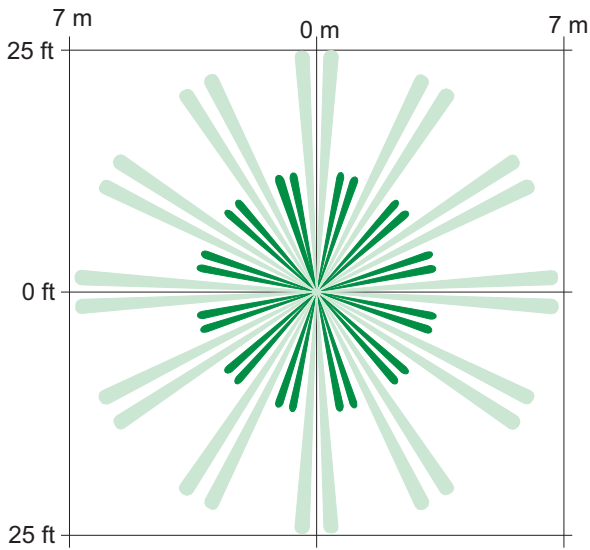
Alarm Memory

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.

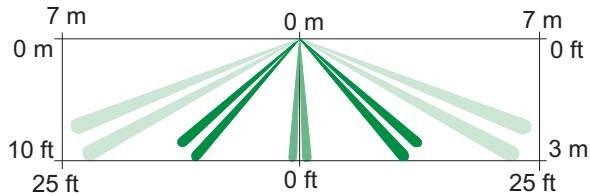
Certifications and approvals

Region	Certification
Europe	CE EN 50081-1: 1992 (EN 55022: 1998, Class B), EN 50130-4: 1995 +A1: 1998, IEC 61000-4-2: 1995, IEC 61000-4-3: 1995, IEC 61000-4-4: 1995, IEC 61000-4-5: 1995, ENV 50141: 1993
USA	UL ANSR: Intrusion Detection Units (UL639)

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).



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

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) <i>For UL Listed Applications, 0°C to +49°C (+32°F to +120°F)</i>

Mounting

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

Provides low profile design and 360° x 14 m (50 ft) panoramic coverage.
Order number **DS937**

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