

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.

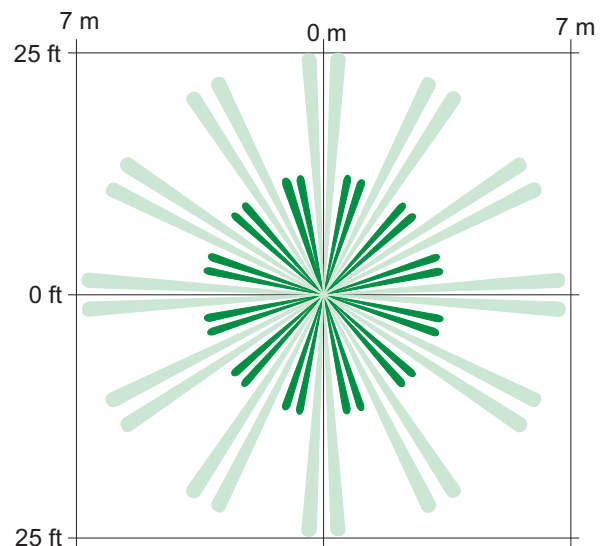
Alarm Memory

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

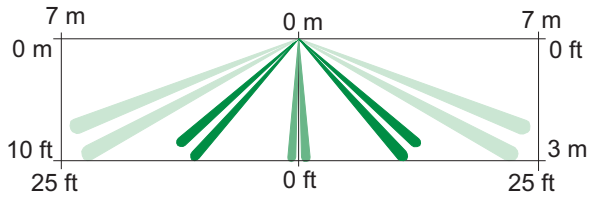
Region	Certification	
Australia	RCM	DS937
Europe	CE	DS937
USA	UL	ANSR: Intrusion Detection Units (UL639) DS937

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, PIR, 360° x 14 m (50 ft) panoramic coverage.

Order number **DS937**