

DS936 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.

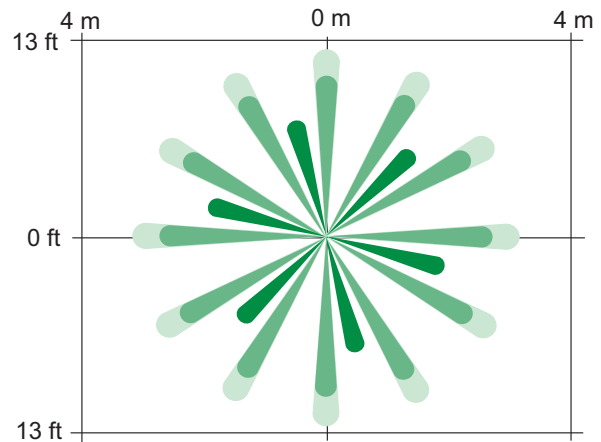
Certifications and approvals

Region	Regulatory compliance/quality marks	
Europe	CE	EMC, LVD, RoHS [DS936]
Russia	GOST	TC N RU Д-НЛ.МН09.В.00334 EAC
USA	UL	[DS936]
	UL	UL 639 - Standard for Intrusion Detection Units
China	CCC	2009031901000548



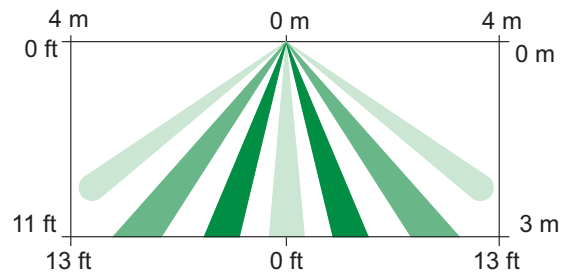
- ▶ Enhanced signal processing
- ▶ 360° x 7.5 m (24 ft) pattern
- ▶ Surface/semi-flush mountable
- ▶ Internal pointability, sealed detector chamber

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.

Technical specifications

Enclosure design

Material	High impact ABS plastic enclosure
Dimensions	3.05 cm x 11.7 cm (1.2 in. x 4.6 in.)

Environmental considerations

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

Mounting

Height range	2 m to 3.6 m (7 ft to 12 ft)
Location	Surface or semi-flush on ceiling or on standard 10 cm (4 in.) octagonal electrical box
Pattern pointability	±15° rotational

Outputs

Alarm	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.
Tamper	Normally-closed cover activated tamper switch with separate terminals. Tamper contacts rated 125 mA at 28 VDC maximum.

Power requirements

Current	20 mA at 12 VDC
Voltage	10 VDC to 15 VDC

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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