

# DS936 Low Profile Panoramic PIR Detector

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Invented for life



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

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.

## 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.

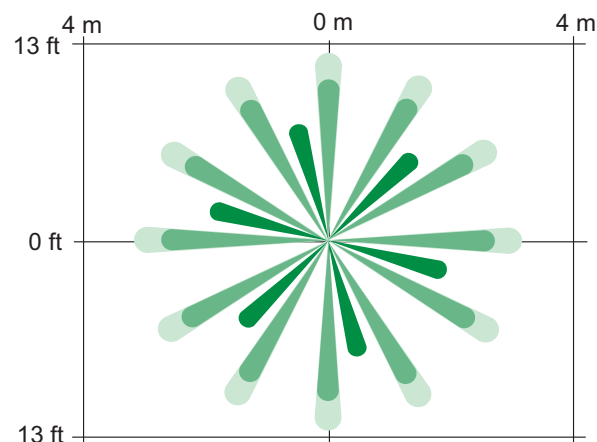
## Certifications and approvals

Europe DS936 complies with EN50131-1, Grade 2

Region	Certification	
Europe	CE	EMC, LVD, RoHS [DS936]
Russia	GOST	EAC
USA	UL	[DS936]

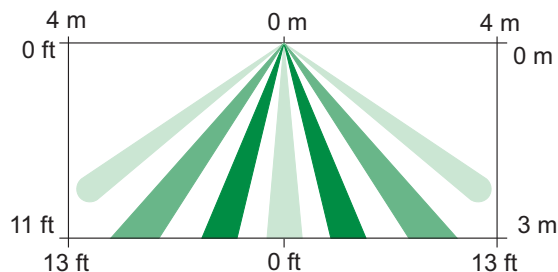
Region	Certification	
	UL	UL 639 - Standard for Intrusion Detection Units
China	CCC	2009031901000548

## 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.

#### Parts included

#### 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 Low Profile Panoramic PIR Detector

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**

##### DS936B Low Profile Panoramic PIR Detector

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**

##### 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**

##### DS936-CHI Low Profile Panoramic PIR Detector

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**

#### Accessories

##### TC6000 Test Cord

Test cord for connecting a compatible detector's test pins to a voltmeter. It is 4.6 m (15 ft.) long.

Order number **TC6000**

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