

# 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

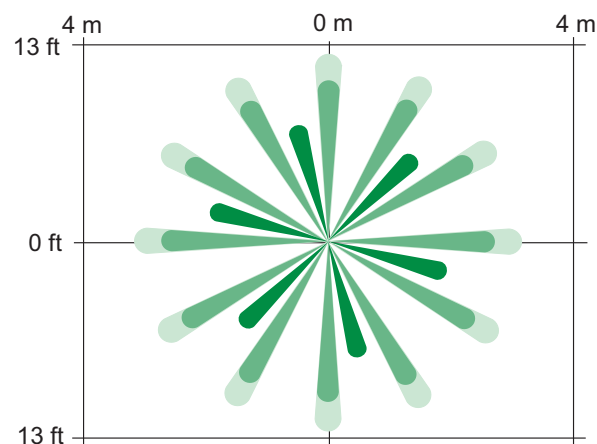
External visible alarm LED. Internal noise voltage test pins provide precise pattern location and background disturbance evaluation using a standard analog meter.

## Certifications and approvals

Europe DS936 complies with EN50131-1, Grade 2

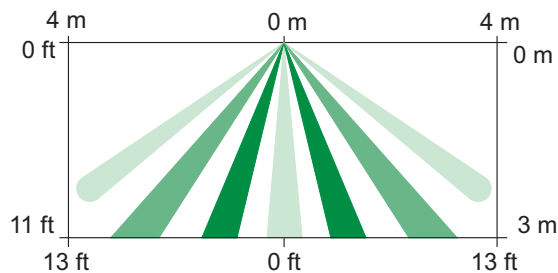
Region	Certification	
Europe	CE	2004/108/EC EMC Directive (EMC); 2006/95/EC Low-Voltage Directive (LVD); 2011/65/EU Restriction of the
USA	UL	DS936: ANSR: Intrusion Detection Units (UL639)
China	CCC	DS936-CHI: 2009031901000548

## 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.

**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**

Operating Temperature:	-29°C to +49°C (-20°F to +120°F) <i>For UL Certified 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.
DS936:	Complies with Environmental Class II (EN50130-5)

**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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