


BOSCH

Invented for life

DS936 Low Profile Panoramic PIR Detector



- ▶ Enhanced signal processing
- ▶ 360° x 7.5 m (24 ft) pattern
- ▶ Surface/semi-flush mountable
- ▶ Internal pointability
- ▶ Sealed detector chamber
- ▶ Mounting height 2 m to 3.6 m (7 ft to 12 ft)

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.

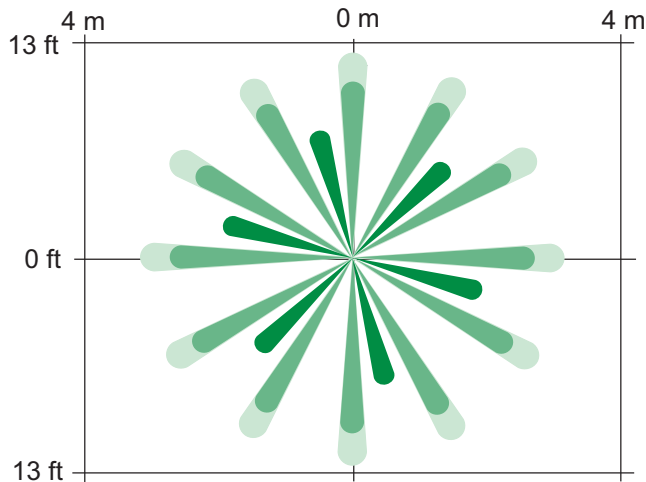
Test Features

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

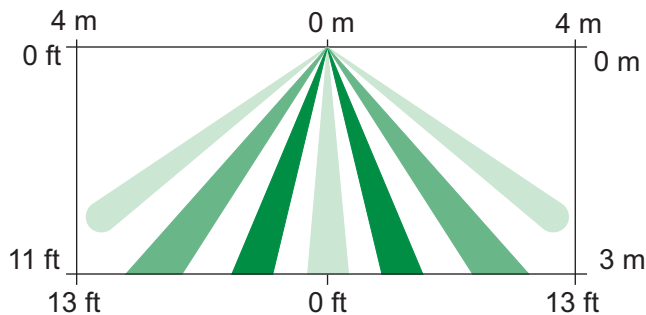
Region	Certification	
Europe	CE	DS936: 89/336/EEC, EN55022: 1998 +A1: 2000 +A2: 2003, EN50130-4: 1996 +A1: 1998 +A2: 2003, EN61000-4-2: 1995 +A1: 1998 +A2: 2001, EN61000-4-3: 2002 +A1: 2003, EN61000-4-4: 1995 +A1: 2000 +A2: 2001, EN61000-4-5: 1995 +A1: 2001, EN61000-4-6: 1996 +A1: 2001 +A2: 2001, EN61000-4-11: 1994 +A1: 2001, EN60950-1: 2001 +A11: 2004 CE 2004/108/EC; EN 50130-4: 1996 +A1: 1998 +A2: 2003; EN 60950-1: 2006
USA	UL	DS936: ANSR: Intrusion Detection Units (UL639)
China	CCC	DS936-CHI: 2009031901000548
Europe		DS936 complies with EN50131-1, Grade 2

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 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.
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

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Ordering Information

DS936 Low-Profile Panoramic PIR Detector **DS936**

Provides enhanced signal processing, 360° x 7.5 m (24 ft) pattern, mounts to surfaces, or mounts semi-flush into a ceiling.

DS936-FRA Low Profile Panoramic PIR Detector **DS936-FRA**

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.

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

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.

Accessories

TC6000 Test Cord **TC6000**

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

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