



DS940QP Quad PIR Detector



- ▶ **Pet and animal immunity**
- ▶ **Easy to install with flexible mounting options**
- ▶ **Dual sensor and quad element design**
- ▶ **Broad coverage**
- ▶ **Look down coverage**
- ▶ **Two separate pyroelectric elements**

The wall mount DS940QP Quad PIR Detector employs two individual sensors that operate like two PIRs in one. Each sensor is processed separately and both must activate to cause an alarm. It features pet immunity and will not detect a dog up to 36 kg (80 lb), up to five cats, or numerous rodents.

Functions

Pet and Animal Immunity

Provides immunity to one or two animals with a combined total weight of 36 kg (80 lb).

Signal Processing

The DS940Q combines two PIRs that each use First Step Processing (FSP). First Step Processing allows virtually instant response to human targets without sacrificing false alarm immunity to other sources. By adjusting its sensitivity based upon signal amplitude, polarity, slope and timing, FSP eliminates the need for the installer to select the sensitivity level for the application. Each sensor is processed individually, and both must agree there is an alarm before the alarm relay is activated.

Test Features

Externally visible alarm LED may be disabled after installation.

Tamper

The switch opens when the cover is removed.

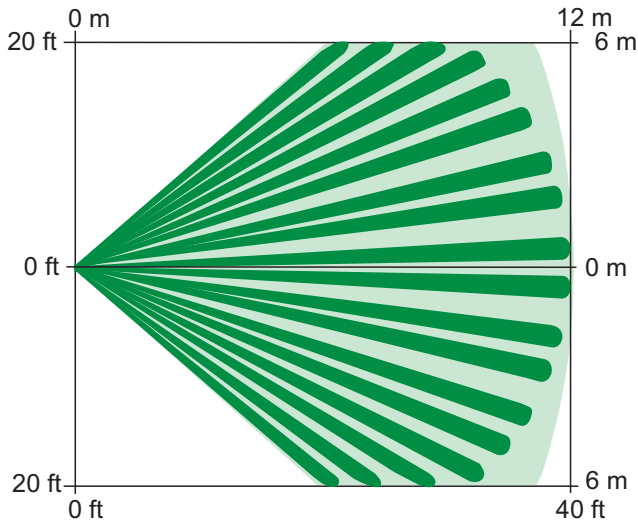
Certifications and Approvals

Region	Certification	
Belgium	INCERT	B-509-0009/a
USA	UL	ANSR: Intrusion Detection Units (UL639)
Sweden	INTYG	Nr04-751

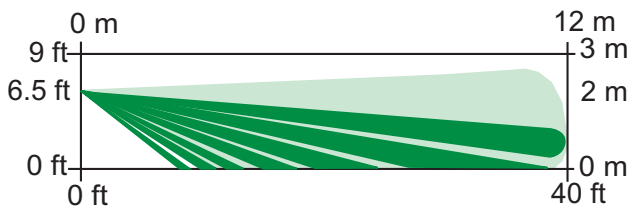
This detector has also been designed to meet the requirements of:

Europe CE

Installation/Configuration Notes



Top View
Broad Coverage 12 m x 12 m (40 ft x 40 ft)



Side View
Broad Coverage 12 m x 12 m (40 ft x 40 ft)

Technical Specifications

Enclosure Design

Dimensions: 12.7 cm x 7.2 cm x 5.6 cm
 (5 in. x 2.8 in. x 2.2 in.)

Material: High impact ABS plastic enclosure

Environmental Considerations

Operating Temperature: -29°C to +49°C (-20°F to +120°F)
 For UL Certificated installations, 0°C to +49°C (+32°F to +120°F)

Radio Frequency Interference (RFI) Immunity: No alarm or setup on critical frequencies in the range from 26 MHz to 1000 MHz at 30 V/m.

Mounting

Height Range: 2.25 m to 2.7 m (7.5 to 9 ft.) recommended

Location: Surface or corner mount

Outputs

Alarm: Normally-closed reed relay with contacts rated at 125 mA at 28 VDC, maximum; 18 VAC, maximum resistive. The relay opens on an alarm condition.

Tamper: Cover activated normally-closed tamper switch with contacts rated 125 mA at 28 VDC, maximum.

Power Requirements

Current Draw: 12 mA at 12 VDC

Voltage: 9 VDC to 15 VDC

Ordering Information

DS940QP Quad PIR Detector **DS940QP**
 Provides dual sensors, pet and animal immunity, broad coverage, and look down coverage.

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