

DS940 PIR Detector



The DS940 and DS940T use "grooves-in" Fresnel lenses to provide superior catch performance. The ease of installation and flexible mounting options provide state-of-the-art detection every time.

■ Features

- First Step Processing (FSP)
- Easy to install with flexible mounting options
- Small unobtrusive design
- 40 ft. (12 m) broad coverage
- Bracket mounting option
- Draft/insect immunity

■ Basic Functions

Signal processing

First Step Processing (FSP) 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.

Draft/insect immunity

The sealed optical chamber provides immunity to drafts and insects.

■ Patents and Trademarks

4,764,755

■ Certifications and Approvals

UL Standard

UL639, Intrusion Detection Units

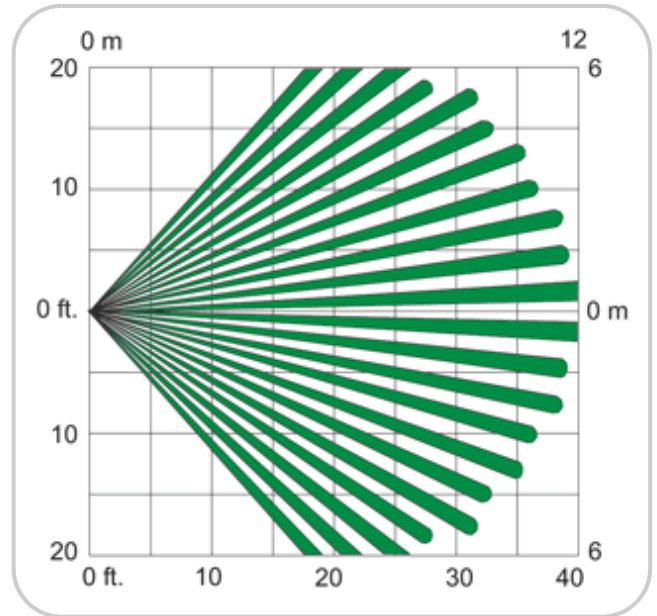
Approval

CE

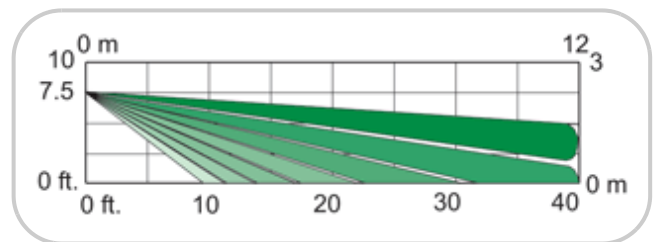
■ Planning

Broad: 40 ft. x 40 ft. (12 m x 12 m)

Top View



Side View



■ Technical Specifications

Alarm Output	Normally closed reed relay with contacts rated at 125 mA @ 28 VDC, maximum; 18 VAC, maximum resistive load only. The relay opens on an alarm condition.
Enclosure Design	
Material:	High impact ABS plastic enclosure
Dimensions (HxWxD):	3.35 in. x 2.75 in. x 1.9 in. (8.5 cm x 6.9 cm x 4.8)
Environmental Considerations	
Operating Temperature:	-20°F to +120°F (-29°C to +49°C) <i>For UL Certificated installations, +32°F to +120°F (0°C to +49°C)</i>
Mounting	
Height Range:	7.5 to 9 ft. (2.25 to 2.7 m) recommended
Location:	Surface or corner
Power Requirements	9 to 15 VDC, 17 mA @ 12 VDC
Radio Frequency Interference (RFI) Immunity	No alarm or setup on critical frequencies in the range from 26 to 950 Megahertz at 50 v/m.

■ Hardware Options

B335 Low Profile Mount Bracket



For DS303E, DS306E, DS308EA, DS774i, DS774Ti, DS775, DS776Z, DS777Z, DS778, DS820, DS820i, DS825, DS835, DS840, DS860, DS940, DS950, and DS970.
Is shipped in packages of 3.

DS940 Wall Mount PIR Detector without Tamper Switch

Prod. ID	DS940
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DS940T Wall Mount PIR Detector with Tamper Switch

Prod. ID	DS940T
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■ Basic Functions

Tamper

The switch opens when the cover is removed.

■ Technical Specifications

Tamper Output	Cover activated Normally Closed tamper switch with contacts rated 125 mA @ 28 VDC, maximum.
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