

# DS940QP Quad Detector with Pet Immunity

Prod. ID DS940QP

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 80 lbs. (36 kg), up to five cats, or numerous rodents.

## ■ Features

- Pet/animal immunity
- Easy to install with flexible mounting options
- Dual sensor/quad element design
- 40 ft. (12 m) broad coverage
- Look down coverage
- Two separate pyroelectric elements

## ■ Basic Functions

### Pet/animal immunity

Provides immunity to 1 or 2 animals with a combined total weight of 80 lb. (36 kg).

### 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

UL Standard UL639, Intrusion Detection Units

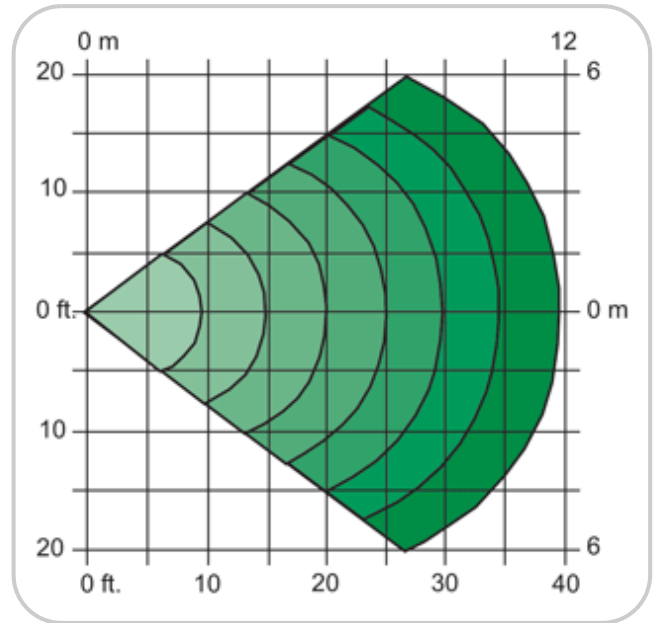
Approval 

## ■ Planning

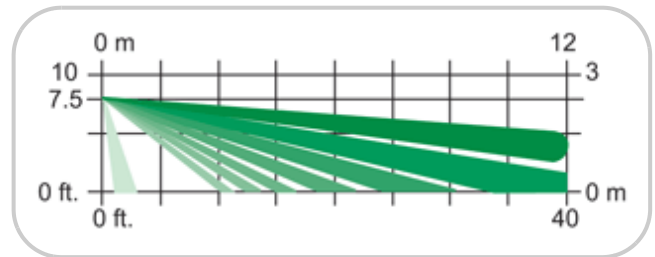
### Coverage

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

*Top View*



*Side View*



## ■ Technical Specifications

<b>Alarm Output</b>	Normally closed reed relay with contacts rated at 125 mA @ 28 VDC, maximum; 18 VAC, maximum resistive. The relay opens on an alarm condition.
<b>Enclosure Design</b>	
Material:	High impact ABS plastic enclosure
Dimensions (HxWxD):	5 in. x 2.8 in. x 2.2 in. (12.7 cm x 7.18 cm x 5.6 cm)
<b>Environmental Considerations</b>	
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>
<b>Mounting</b>	
Height Range:	7.5 to 9 ft. (2.25 to 2.7 m) recommended
Location:	Surface or corner mount
<b>Power Requirements</b>	9 to 15 VDC, 12 mA @ 12 VDC
<b>Radio Frequency Interference (RFI) Immunity</b>	No alarm or setup on critical frequencies in the range from 26 to 1000 Megahertz at 30 v/m.
<b>Tamper Output</b>	Cover activated Normally Closed tamper switch with contacts rated 125 mA @ 28 VDC, maximum.