

PQ Series - PQ15

PIR SENSOR



FEATURES

- **Quad Detector**
- **EN50131-2-2:2008...Grade 2, Class II**
- **15m Volumetric Coverage**
- **Redesigned Housing Shared Across Platform Range**
- **Varifocal Lens Design**
- **Enhanced PIR Processing**
- **Adjustment-Free Optics**

When quality, reliability, detection performance and false alarm immunity are paramount to you and your customers, the microcontroller-based PQ15 provides all the elements. It is a cost effective, attractive PIR detector for the protection of residential and commercial premises.

The Guardall PQ15's design features make installation fast and straightforward. Four detection modes (including pulse count) are available to suit most environments, and are DIL switch selectable for simplicity. The Quad sensor provides premium catch performance.

With adjustment free optics, a high performance varifocal lens and sneak mirror all combine to provide exceptional detection and superior close in protection. A micro-controller with enhanced intelligent processing algorithms helps reduce false alarms caused by thermal variations and noise spikes. PQ15 meets the standards of EN50131-2-2:2008...Grade 2, Class II.



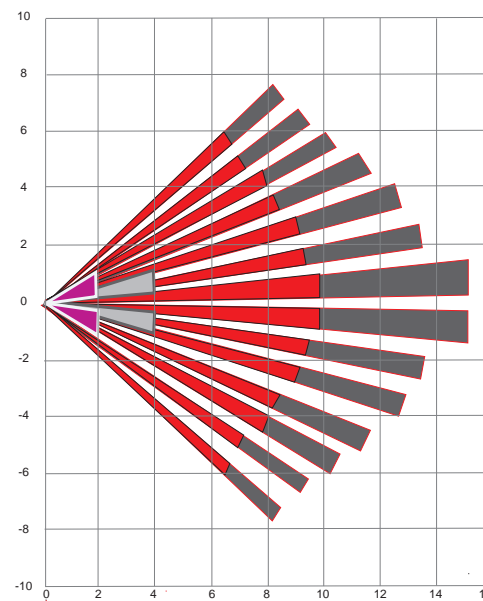

Integration Starts Here!

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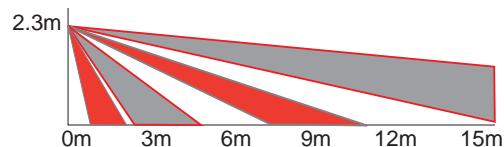
SPECIFICATIONS

Power	Voltage	12Vdc (9Vdc - 16Vdc)
	Current	9mA quiescent @ 12Vdc 11mA max @ 12Vdc
	Max. ripple	2V peak to peak @ 12Vdc
Alarm output	Normally closed, voltage free, solid state relay Rated @ 30Vdc, 50mA	
Tamper output	Normally closed voltage free switch contacts Rated @ 24Vdc, 50mA	
Alarm period	Approximately 3 seconds	
Temperature range	-10°C to 55°C (14°F to 130°F)	
PIR coverage adjustment	± 5° adjustment horizontally when corner mounted	
Walk test LED	Red Unit Alarm	
Remote LED enable	Control of LED indication using Test line	
Packed weight	approx. 110g	
Dimensions (H x W x D)	110 x 66 x 42mm	

VOLUMETRIC PLAN VIEW 15M



VOLUMETRIC SIDE VIEW 15M



FEATURE	BENEFIT
Compact, well proportioned design	Aesthetically suitable for all environments
15m volumetric coverage	Covers most applications for residential/commercial installations
DIL switches	Easy selection of features on installation
Test input	LED can be switched from the panel
Varifocal lens	Optimises the detection area
Sealed optics	Lower risk of unwanted alarms from insects
Profiled temperature compensation	Consistent detection through a range of operating temperatures
Low voltage detection	Indication of problem before you get false alarms
Sneak mirror	Effective detection below the sensor
Solid state relay	Cannot be defeated by external magnet
EN50131-2-2:2008...Grade 2, Class II compliant	Can be used in all installations to this standard

ORDER INFORMATION

W76555	Guardall PQ15 15m
W72321	Guardall LPB2 Low Profile Wall Bracket
W72977	Guardall CMB1 Ceiling Mount Bracket

Guardall is a worldwide supplier.
For contact information, please go to www.guardall.com