

PQ Series - PQ15 AM

PIR SENSOR



FEATURES

- Active IR Anti-Mask
- EN50131-2-2:2008...Grade 3, Class II
- Quad Detector
- 15m Volumetric Coverage
- Selectable End of Line Resistances
- Redesigned Housing Shared Across Platform Range
- Varifocal Lens Design
- Enhanced PIR Processing
- Adjustment-Free Optics

Guardall's new innovative top of the range PIR features 'through-the-lens' active IR anti-mask for higher security applications requiring compliance to EN50131-2-2:2008...Grade 3, Class II. It is a premium PIR detector and is ideal in applications where performance and reliability are paramount.

The Guardall PQ15AM's design features make installation fast and straightforward with adjustment free optics (can be mounted between 2.1 and 2.5m and provide 15m volumetric coverage) and selectable end of line resistances. It has separate mask/fault output and solid state outputs which are unaffected by magnets. These features all combine to give great performance, superior detection in a stylish, robust unit for all applications.

With full active IR anti-mask and a sneak mirror for superior close in protection PQ15AM meets the standards of EN50131-2-2:2008...Grade 3, Class II. The newly designed light pipes give excellent visibility of the alarm LED from all angles and make walk testing very quick and easy.

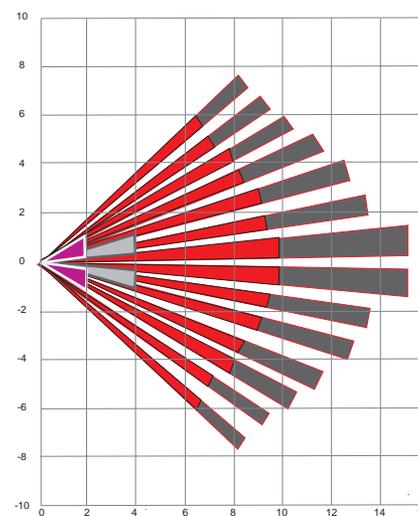


Integration Starts Here!

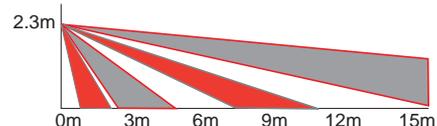
SPECIFICATIONS

Power	Voltage	12Vdc (9Vdc - 16Vdc)
	Current	12mA quiescent @ 12Vdc 17mA max @ 12Vdc (LED on)
	Max. ripple	2V peak to peak @ 12Vdc
Alarm & Aux/Fault output	Normally closed, voltage free, solid state relay Rated @ 30Vdc, 50mA	
Tamper output	Normally closed voltage free switch contacts	
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	
Anti-masking	Indicated on Aux output and LED if selected	
Latching	Standard (L-type) Latching	
PIR trouble	Indicated on Aux output and LED if selected	
Packed weight	approx. 115g	
Dimensions (H x W x D)	110 x 66 x 42mm	

VOLUMETRIC PLAN VIEW 15M



VOLUMETRIC SIDE VIEW 15M



FEATURE	BENEFIT
Adjustment free optics	Helps minimise the installation and set up time
Sealed optics	Lower risk of unwanted alarms from insects
Sneak mirror	Effective detection below the sensor to EN50131-2-2:2008...Grade 3, Class II standard
Active IR anti-mask	Suitable for high security applications
Sensitivity selection	Higher security and reduced false alarms risk
Profiled temperature compensation	Stable detection through a range of operating temperatures
Low voltage detection	Indication of problem before you get false alarms
Multiple end of line resistor values	Easier and more effective installation
Automatic self test	Identification of problems by constantly monitoring performance
EN50131-2-2:2008...Grade 3 Class II compliant	Can be used in all installations to this standard
Solid state relays	Cannot be defeated by external magnet
Control Input	Enables detector alarm memory, anti-mask and LED selection
Test input	LED can be switched from the panel
DIL switches	Easy selection of features during installation

ORDER INFORMATION

W76558	Guardall PQ15 AM 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