

PQ15

PIR Sensor

PQ Series



- Quad Detector
- TS Grade 2, Class II
- 15m Volumetric Coverage
- NEW Shared Housing
- 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 vari focal 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 TS 50131-2-2:2004, grade 2, class II.



 **Guardall**

A UTC Fire & Security Company

It's in our nature to protect
Secure Solutions

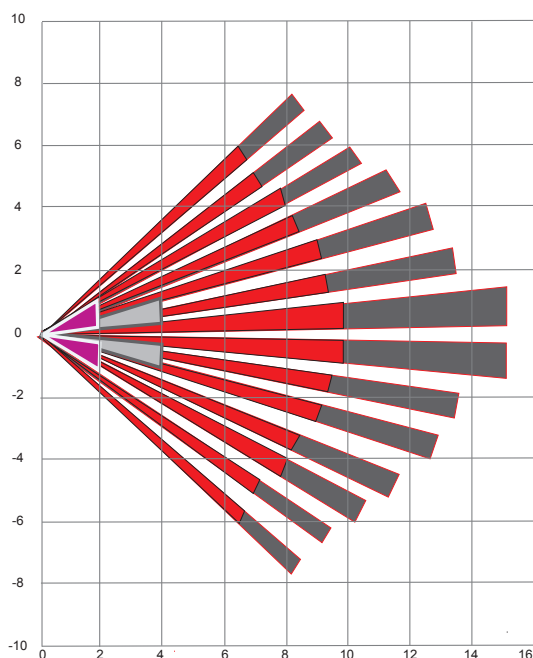
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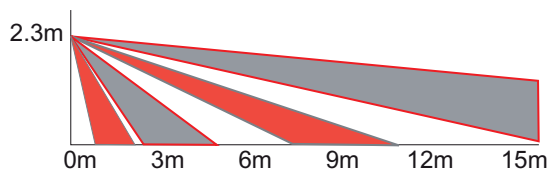
Supplier / Installer

Coverage Diagrams

Volumetric Plan View 15m



Volumetric Side View 15m



Specification

Power	Voltage	12 V (9V - 16V dc)
	Current	9 mA quiescent @12V dc 11 mA max @12V dc (the power feed must be fused at 5A or less)
	Max. ripple	2V peak to peak @ 12V dc
Alarm output		Normally closed, voltage free, solid state relay. Rated @ 30V dc, 50mA
Tamper output		Normally closed, voltage free switch contacts. Rated at 24 V dc 50 mA
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
Latching		Standard (L-type) latching
Packed weight		110g approximately
Dimensions (H x W x D)		110 x 66 x 42 mm

Features and Benefits

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.
TS50131 Grade 2 Class II compliant	Can be used in all installations to this standard.

Ordering Information

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

Guardall Ltd,
Queen Anne Drive, Lochend Industrial Estate,
Newbridge, Edinburgh, EH28 8PL, UK
Tel +44.131.333.2900 Fax +44.131.333.4919
www.guardall.com