W76559

Guardall PIR motion sensor, 15 m, Anti-Mask

Performance Line- PIR Technology

The Performance Line is the line of legacy Guardall motion sensors (PQ15 and DT15 series) and both series are intended for the protection of residential and commercial premises.
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 Grade 3.
The newly designed light pipes give excellent visability of the alarm LED from all angles and make walk testing very quick and easy.



Details

- 15m volumetric PIR detector
- Selectable end of line resistances/active IR anti-masking
- Quad detector
- Adjustment-free optics
- Redesign housing shared across platform range
- Varifocal lens design
- Enhanced PIR processing

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Technical specifications

General

Technology	PIR
Application type	Wall mount
Anti masking	Yes
Pet immune	No
Camera	No
Pry-off tamper kit	On board

Detection

Max. detection range	15 m
Vertical optical axis adjustment	none required
Horizontal optical axis adjustment	±5° corner mounted
Alarm time	3 s
Peak-to-peak ripple immunity	2 V (at 12 VDC)
Aux. period	Duration of fault or mask condition

Wired/wireless

Wired-wireless	Wired

Inputs/outputs

Alarm relay characteristic	Normally closed (NC). Rated at 24 VDC, 50 mA
Tamper relay characteristic	Normally closed (NC). Rated at 24 VDC, 50 mA
Anti mask relay characteristic	Normally closed (NC). Rated at 24 VDC, 50 mA
Remote control lines	Day/Night, Walk test

Electrical

Operating voltage	9 to 16 VDC
Power supply type	12 VDC
Current consumption	max. 17 mA 9 mA at 12 V (quiescent, no alarm) 17 mA at 12 V (max. all LEDs ON)

Physical

Physical dimensions	110 x 66 x 42 mm (H x W x D)
Net weight	115 g
Colour	White
Mounting height	2.1 to 2.4 m

Environmental

Operating temperature	-10 to 55°C 14 to 130°F
Environment	Indoor

Regulatory

EN50131 grade	Grade 3

Power Supply

Voltage	12V (9V to 16V dc)
PIR coverage adjustment	Vertically: none required
	Horizontally: ±5° corner mounted
Alarm and Aux Outputs	Normally closed (NC), voltage free, solid state relay rated at 30 V dc, 50 mA with a max. 26 ohm ON resistance.
Aux. period	Duration of fault or mask condition.
End of line resistors	Selectable: (Alarm, Tamper, Aux)
	Option A: Guardall 8k2, 8k2, 8k2
	Option B: 1k0, 1k0, 12k
	Option C: 4k7, 2k2, 2k2
	Option D: 6k8, 4k7, 15k
Walk test LED's	RED - Unit alarm
Remote LED enable	Control of LED indication using Test line
Anti-masking	Indicated on Aux output and LED’s if selected
Latching	Standard (L-type) latching
PIR trouble	Indicated on Aux. output and LED's if selected
Test Input	Low or open circuit for LED disable, detector supply to activate.
Control Input	Low or open circuit for unset, detector supply for set

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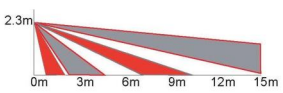

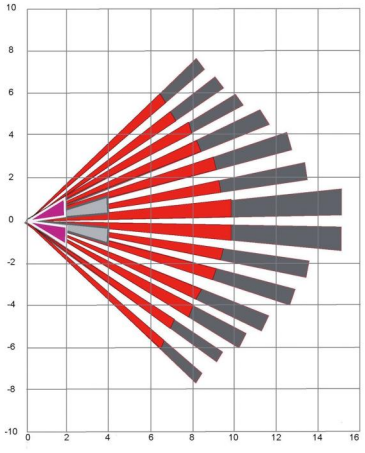

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Last updated on 16 June 2026 - 15:16