Product data sheet



W76561

Performance Line- Dual Technology

The Performance Line is the line of legacy Guardall motion sensors (PQ15 and DT15 series) and both are intended for the protection of residential and commercial premises.

The Guardall DT15 incorporates a highly effective X-band microwave together with well-proven PIR technology. This pairing produces a superb dual technology sensor that greatly improves false alarm immunity. Anti-stealth is a highly intelligent mode that precisely analyses microwave and PIR activity in a room and significantly improves detection in extreme conditions.

A sneak mirror is used to improve catch performance below the sensor satisfying the EN50131Grade 2, Class II standard.

It has been designed to be simple to install with three LEDs within the sensor to facilitate efficient analysis of the technologies. Incorporating unique signature recognition

for precise intruder detection, making DT15 ideal for environmentally challenging situations.



Details

- 15m volumetric coverage
- Quad pyro detector and X-band microwave
- Anti-Stealth technology™
- Adjustment-free optics
- Redesigned housing shared across platform range
- Varifocal lens design
- Enhanced DT processing
- EN50131 Grade 2

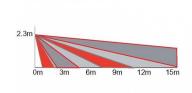
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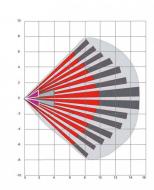
Technical specifications

Technology Dual Anti masking No Pet immune No Camera No
Pet immune No
Camera No
Detection
Max. detection range 15 m
Microwave frequency X-band (nom.)
Max. microwave output 0.011 μW/cm2 at 1m (at 1m)
Alarm time 3 s
Peak-to-peak ripple 2V (at 12 VDC) immunity
Wired/wireless
Wired-wireless Wired
Inputs/outputs
Alarm relay Normally closed (NC), voltage free, solid state
characteristic relay rated at 30 V dc, 50 mA with a max. 26 ohm ON resistance.
Tamper relay Normally closed (NC), voltage free, solid state characteristic relay rated at 30 V dc, 50 mA with a max. 26 ohm ON resistance.
Relay configuration Multiple EOL values
Remote control lines Walk test
Electrical
Operating voltage 9 to 16V DC
Power supply type 12 VDC
Current consumption 13 mA at 12 V (quiescent no alarm) 18 mA at 12 V (max All LEDs on)
Physical
Physical dimensions 110 x 66 x 42 mm (H x W x D)
Net weight 135 g
Colour White
Environmental
Operating temperature -10 to 55 °C
Environment Indoor
Standards & regulation

Power Su	pp	ılv
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Microwave range adjustment	50% to 100% of range via pot adjustment
Fluorescent lights	Microwave channel rejects these to within 2m of an 80W tube
PIR coverage adjustmen	nt Vertically: none required
	Horizontally: ±5° corner mounted
Tamper Output	Normally closed (NC), voltage free, solid state relay rated at 24 V dc, 50 mA
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
	GREEN - Microwave channel
	YELLOW - PIR channel
Remote LED enable	Control of LED indication using Test line
Microwave/PIR trouble	Indicated on LED's if selected
Test Input	Low or open circuit for LED disable, detector supply to activate.









EN50131 grade

Grade 2