W76561

15 m Dual Technology motion sensor, DT15/100, English & Italian

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

- 15 m 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

General

Technology	Dual
Application type	Wall mount
Anti masking	No
Pet immune	No
Camera	No
Microwave range adjustment	50% to 100% of range via pot adjustment
Fluorescent lights	Microwave channel rejects these to within 2 m of an 80 W tube
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

Detection

Max. detection range	15 m
Vertical optical axis adjustment	none required
Horizontal optical axis adjustment	±5° corner mounted
Microwave frequency (nom.)	X-band
Max. microwave output (at 1m)	0.011 µW/cm2 at 1m
Alarm time	3 s
Peak-to-peak ripple immunity	2 V (at 12 VDC)

Wired/wireless

Wired-wireless	Wired

Inputs/outputs

Alarm relay characteristic	Normally closed (NC), voltage free, solid state relay rated at 30 VDC, 50 mA with a max. 26 ohm ON resistance.
Tamper relay characteristic	Normally closed (NC), voltage free, solid state relay rated at 30 VDC, 50 mA with a max. 26 ohm ON resistance.
Relay configuration	Multiple EOL values
Remote control lines	Walk test

Electrical

Operating voltage	9 to 16 VDC
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

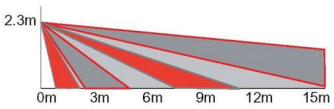
Operating temperature	-10 to 55°C
Environment	Indoor

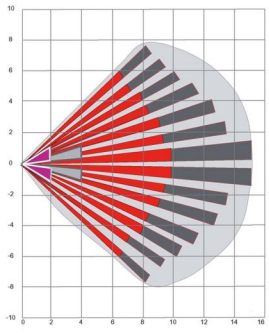
Regulatory

EN50131 grade	Grade 2

Inputs / outputs

Test Input	Low or open circuit for LED disable, detector supply to activate
Tamper Output	Normally closed (NC), voltage free, solid state relay rated at 24 VDC, 50 mA





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