W76571

DT15-AM/1900 Fresnel EN Grade 3 Dual Motion Sensor, Anti mask

Performance Line- Dual 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.
DT15 AM 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.
Featuring an advanced 'through-the-lens' active IR and microwave anti-mask system, the sensor detects any attempt to mask or inhibit detection of one or both alarm technologies. Anti-stealth precisely analyses microwave and PIR activity in
a room and significantly increases detection in extreme conditions. It also combats intrusion attempts using infrared screening materials, and a sneak mirror is used to improve catch performance.

It has been designed to be simple to install with three LED's within the sensor to facilitate efficient analysis of the technologies. Incorporating a unique varifocal lens design that allows the unit to be mounted between 2.1 and 2.5m without
adjustment.



Details

- 15m/10m dual technology detector
- Active IR anti-masking
- Enhanced DT processing
- Anti-Stealth technology™
- Selectable End Of Line resistances
- Adjustment-free optics
- Redesigned housing shared across platform range
- Varifocal lens design
- EN50131 Grade 3

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Technical specifications

General

Technology	Dual
Application type	Wandmontage
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 2m of an 80W tube
Aux. period	Duration of fault or mask condition.
Walk test LED's	RED - Unit alarm
	GREEN - Microwave channel
	YELLOW - PIR channel
Remote LED enable	Control of LED indication using Test line
Anti-masking	Indicated on Aux output and LED’s if selected
Microwave/PIR trouble	Indicated on LED’s if selected

Detection

Max. detection range	15 m
Microwave frequency (nom.)	X-band
Max. microwave output (at 1m)	0.011 µW/cm2
Undercrawl protection	No
Alarm time	3 sek
Peak-to-peak ripple immunity	2 V at 12 VDC
PIR coverage adjustment	Vertically: none required
	Horizontally: ±5° corner mounted

Wired/wireless

Wired-wireless	Verdrahtet

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

Electrical

Power supply value	9 to 16 VDC (12V nominal)
Current consumption	13 mA at 12 V (quiescent no alarm) 21 mA at 12 V (max. all LEDs ON)

Physical

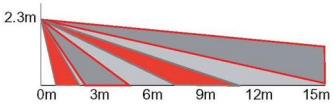
Physical dimensions	110 x 66 x 42 mm (H x W x D)
Shipping weight	135 g
Colour	Weiß

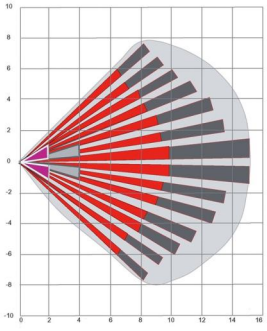
Environmental

Operating temperature	-10 to +55°C (14 to 130°F)
Environment	Drinnen

Regulatory

EN50131 grade	Grad 3





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