

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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Especificaciones técnicas

General

Tecnología	Dual
Tipo de aplicación	Montaje en pared
Antienmascaramiento	No
Inmune a mascotas	No
Cámara	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

Detección

Alcance máximo de detección	15 m
Frecuencia microondas (nom.)	X-band
Máx. salida microondas (a 1m)	0.011 $\mu\text{W}/\text{cm}^2$
Proteccion contra el desenrollado	No
Tiempo de alarma	3 sec
Inmunidad rizado pico a pico	2 V at 12 VDC

Con cable / inalámbrico

Con cable / inalámbrico	Cableado
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Entradas / salidas

Características del relé de alarma	Normally closed (NC), voltage free, solid state relay rated at 30 VDC, 50 mA with a max. 26 ohm ON resistance.
Características del relé de tamper	Normally closed (NC), voltage free, solid state relay rated at 24 V dc, 50 mA Normally closed (NC), voltage free, solid state relay rated at 24 VDC, 50 mA

Eléctrico

Valor de la fuente de alimentación	9 to 16 VDC (12V nominal)
Consumo de corriente	13 mA at 12 V (quiescent no alarm) 21 mA at 12 V (max. all LEDs ON)

Físico

Dimensiones físicas	110 x 66 x 42 mm (H x W x D)
Peso de envío	135 g
Color	Blanco

Medioambiental

Temperatura de funcionamiento	-10 to +55°C (14 to 130°F)
Entorno	Interior

Regulador

Grado EN50131	Grado 3
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Detection

PIR coverage adjustment	Vertically: none required Horizontally: $\pm 5^\circ$ corner mounted
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Inputs / outputs

Test Input	Low or open circuit for LED disable, detector supply to activate
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