

## DT Series - DT15 AM

### DUAL TECHNOLOGY SENSOR



#### FEATURES

- **Active IR Anti-Masking**
- **EN50131-2-4:2008...Grade 3, Class II**
- **Anti-Stealth Technology™**
- **Selectable End of Line Resistances**
- **Redesigned Housing Shared Across Platform Range**
- **Varifocal Lens Design**
- **Enhanced DT Processing**
- **Adjustment-Free Optics**

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 and is compliant with EN50131-2-4:2008... Grade 3, Class II.

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 below the sensor satisfying the EN50131-2-4: 2008...Grade 3, Class II standard.

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.

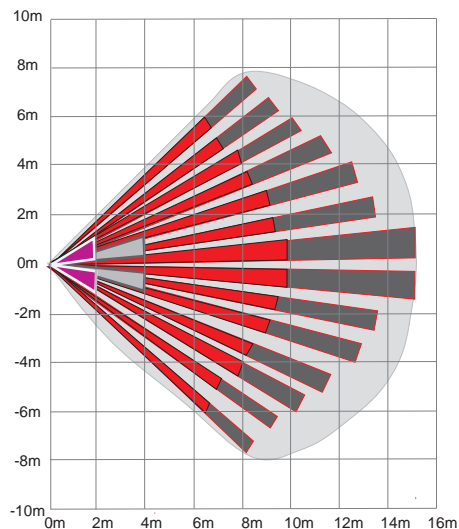


**Integration Starts Here!**

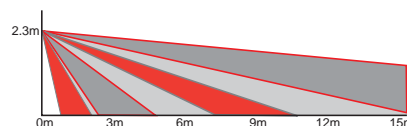
### SPECIFICATIONS

<b>Power</b>	<b>Voltage</b>	12Vdc (9Vdc - 16Vdc)
	<b>Current</b>	15mA quiescent @ 12Vdc 23mA max @ 12Vdc (All LED's ON)
	<b>Max. ripple</b>	2V peak to peak @ 12Vdc
<b>Microwave power</b>	0.011 uw/cm <sup>2</sup> @ 1m (average)	
<b>Frequency</b>	X band	
<b>Alarm &amp; Aux/Fault output</b>	Normally closed, voltage free, solid state relay Rated @ 30Vdc, 50mA	
<b>Tamper output</b>	Normally closed voltage free switch contacts	
<b>Alarm period</b>	Approximately 3 seconds	
<b>Temperature range</b>	-10°C to 55°C (14°F to 130°F)	
<b>Microwave range adjustment</b>	50% to 100% of range via easily accessible potentiometer	
<b>PIR coverage adjustment</b>	± 5° adjustment horizontally when corner mounted	
<b>Walk test LED's</b>	Red ..... Unit Alarm Green ..... Microwave channel Yellow..... PIR channel	
<b>Remote LED enable</b>	Control of LED indication using Test line	
<b>Anti-masking</b>	Indicated on Aux output and LED's if selected	
<b>Latching</b>	Standard (L-type) Latching	
<b>Microwave / PIR trouble</b>	Indicated on Aux output and LED's if selected	
<b>Packed weight</b>	approx. 135g	
<b>Dimensions (H x W x D)</b>	110 x 66 x 42mm	

### VOLUMETRIC PLAN VIEW 15M



### VOLUMETRIC SIDE VIEW 15M



### FEATURE

### BENEFIT

<b>Adjustment free optics</b>	Helps minimise the installation and set up time
<b>Sealed optics</b>	Lower risk of unwanted alarms from insects
<b>Anti stealth</b>	Improved detection in harsh environment
<b>Sneak mirror</b>	Effective detection below the sensor to EN50131 Grade 3 standard
<b>Active IR anti-mask</b>	Suitable for high security applications
<b>Sensitivity selection</b>	Higher security and reduced false alarms risk
<b>Profiled temperature compensation</b>	Stable detection through a range of operating temperatures
<b>Microwave range control</b>	Precise adjustment of microwave detection area
<b>Digital fluorescent light rejection</b>	No unwanted alarms from fluorescent lights
<b>Low voltage detection</b>	Indication of problem before you get false alarms
<b>Multiple end of line resistor values</b>	Easier and more effective installation
<b>Microwave/PIR supervision</b>	Continuous operation in the event of microwave/PIR failure
<b>Microwave day disable</b>	No microwave emissions during unset/day
<b>Automatic self test</b>	Identification of problems by constantly monitoring performance
<b>Control input</b>	Enables detector alarm memory, anti-mask and LED selection
<b>EN50131-2-4:2008...Grade 3, Class II compliant</b>	Can be used in all installations to this standard
<b>Solid state relays</b>	Cannot be defeated by external magnet
<b>Test input</b>	LED can be switched from the panel
<b>Three LED's</b>	Easier to check status of each technology as well as unit alarm
<b>DIL switches</b>	Easy selection of features during installation

### ORDER INFORMATION

<b>W76570</b>	Guardall DT15 AM 15m
<b>W72321</b>	Guardall LPB2 Low Profile Wall Bracket
<b>W72977</b>	Guardall CMB1 Ceiling Mount Bracket

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