

## DT Series - DT15+ DUAL TECHNOLOGY SENSOR



### FEATURES

- **Microwave Anti-Mask**
- **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+ 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 microwave anti-mask system, the sensor detects any attempt to disable operation of one or both alarm channels.

Anti-stealth is a highly intelligent mode that precisely analyses microwave and PIR activity in a room and significantly improves detection in extreme conditions. This development also combats intrusion attempts using infrared screening materials. A sneak mirror is used to improve catch performance below the sensor satisfying the EN50131-2-4:2008...Grade 3, Class II standard.

Supervision circuitry provides continuous monitoring and converts to a single technology, pulse count PIR or microwave only unit, in the unlikely event of failure in either the microwave or the PIR. 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, DT15+ is elevated to the next level for security solutions.

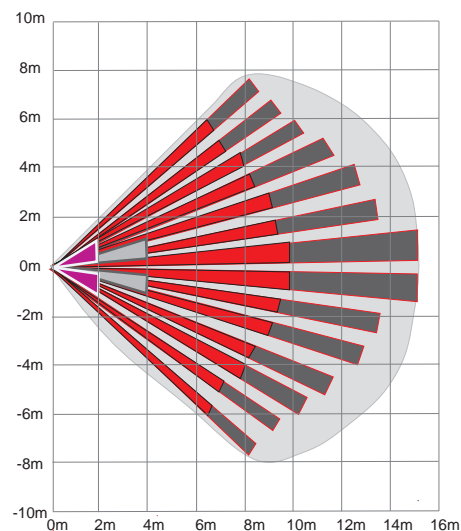


  
**Integration Starts Here!**

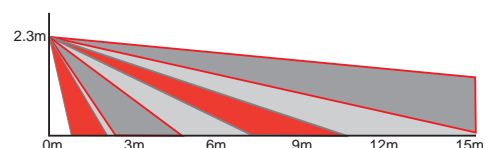
### SPECIFICATIONS

<b>Power</b>	<b>Voltage</b>	12Vdc (9Vdc - 16Vdc)
	<b>Current</b>	13mA quiescent @ 12Vdc 21mA 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>Microwave 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 relay</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>W76567</b>	Guardall DT15+ 15m
<b>W72321</b>	Guardall LPB2 Low Profile Wall Bracket
<b>W72977</b>	Guardall CMB1 Ceiling Mount Bracket

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