Guardall DTSx

Compact Dual-Technology Sensor

DTSx applies well-proven PIR technology, currently used in the M2 detector, together with a highly effective X-band microwave. This pairing produces a superb dual technology sensor for today's security market.

The use of high-performance elements within DTSx creates reliability in a compact detector with outstanding coverage of the detection zone. With its extremely competitive price, the DTSx can be used successfully in a wide range of applications and provides excellent value for money.

The DTSx has been designed for ease of use. The three LEDs within the sensor enable efficient analysis of the PIR, microwave and unit status and make set-up simple and quick. Incorporating unique signature recognition for precise intruder detection.

DTSx is available in 6 and 12 metre variants.

EN50131 Grade 2 Level 2 compliant

Guardall

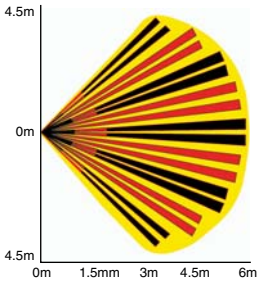
DT Series

Guardall DTSx

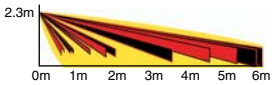
SUPPLIER/INSTALLER

Coverage Diagrams

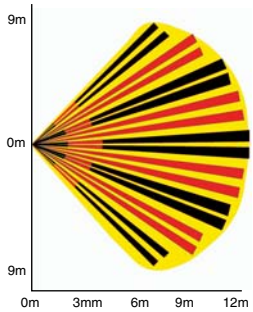
Volumetric Plan View 6m



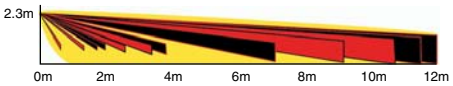
Volumetric Side View 6m



Volumetric Plan View 12m



Volumetric Side View 12m



Specification

Power	**Voltage**	12V (9V – 16V dc)
	Current	12mA quiescent @12V dc 20mA max @12V dc (the power feed must be fused at 5A or less)
	Max. ripple	2V peak to peak @ 12V dc
Microwave Power		0.011µW/cm^2@1m (average)
Frequency		X-band
Alarm output		Normally closed, voltage free, solid state relay Rated @ 30V dc, 50mA with 10 Ω series protection resistor
Tamper output		Normally closed voltage free switch contacts Rated @24V dc, 50mA
Alarm period		Approximately 3 seconds
Temperature Range		-10°C to 55°C (14°F to 130°F)
Microwave Range		12m / 8m or 6m / 3m via pot adjustment
PIR Coverage Adjustment		+2° to -12° vertically, ±5° adjustment horizontally when corner mounted
Walk Test LEDs		Red – Unit Alarm Green – Microwave channel Yellow – PIR channel
Remote LED enable		Control of LED indication using test line
Microwave / PIR trouble		Indicated on LEDs
Packed weight		152g approximately
Dimensions (H x W x D)		131 x 65 x 45mm

Features and Benefits

Feature	Benefit
– **Compact, well proportioned design**	Aesthetically suitable for all environments
– **12m and 6m variants**	Covers most volumetric protection applications in the residential & small commercial markets
– **Selectable links**	Easy selection of features on installation
– **Three LEDs**	Easier to check status of each technology as well as unit alarm
– **Test input**	LED can be switched from the panel
– **Adjustable optics**	Helps optimize the detection area
– **Sealed optics**	Lower risk of unwanted alarms from insects
– **Microwave range control**	Precise adjustment of microwave detection area
– **Profiled temperature compensation**	Stable detection through a range of operating temperatures
– **Digital fluorescent light rejection**	No unwanted alarms from fluorescent lights
– **Sneak zone**	Effective detection below the sensor
– **Solid state relay**	Cannot be defeated by external magnet
– **Low voltage detection**	Indication of problem before you get false alarms
– **EN50131 Grade 2 Level 2 compliant**	Can be used in all installations to this standard

Ordering Information

W76213 Guardall DTSx 6m
W76218 Guardall DTSx 12m

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Guardall Data Sheet DTSx (English Version) 8/05

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