

# DTSx

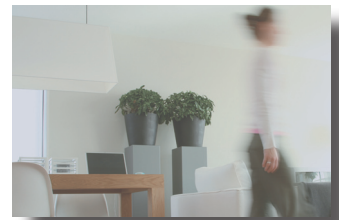
Dual-Technology Sensor

# DT Series



- 12m Volumetric Coverage
- TS Grade 2, Class II
- Microwave Range Control
- Enhanced DT Processing
- Outstanding False Alarm Immunity
- X Band Microwave

DTSx applies well-proven PIR technology, currently used in the M-2 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 your money.

The DTSx has been designed for ease of use; the three LED's 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.



## Guardall

A UTC Fire & Security Company

*It's in our nature to protect*  
**Secure Solutions**

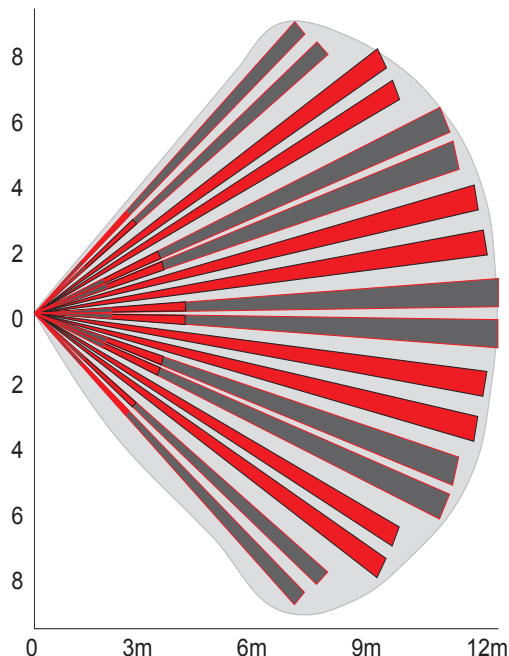
# DTSx

Dual Technology Sensor

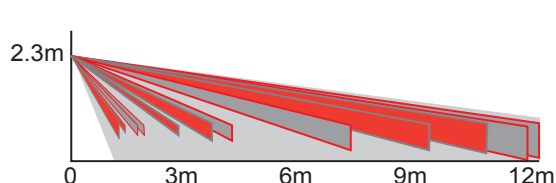
Supplier / Installer

## Coverage Diagrams

Volumetric Plan View 12m



Volumetric Side View 12m



## Specification

Power	Voltage	12 V (9V - 16V dc)
	Current	12 mA quiescent @12V dc 20 mA 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/cm2@1m (average)	
Frequency	X band	
Alarm output	Normally closed, voltage free, solid state relay. Rated @ 30V dc, 50mA with 10Ω series protection resistor	
Tamper output	Normally closed, voltage free switch contacts. Rated at 24 V dc 50 mA	
Alarm period	Approximately 3 seconds	
Temperature range	-10°C to 55°C (14°F to 130 °F)	
Microwave range adjustment	12 m / 8m via pot adjustment	
PIR coverage adjustment	+2° to -12° vertically, ±5° adjustment horizontally when corner mounted	
Walk test LED's	Red Unit Alarm Green Microwave channel Yellow PIR channel	
Remote LED enable	Control of LED indication using test line	
Latching	Standard (L-type) latching	
Microwave / PIR trouble	Indicated on LEDs	
Packed weight	152g approximately	
Dimensions (H x W x D)	131 x 65 x 45 mm	

## Features and Benefits

Feature	Benefit
Compact, well proportioned design	Aesthetically suitable for all environments.
12m volumetric coverage	Covers most applications for residential/commercial installations.
Selectable links	Easy selection of features on installation.
Three LED's	Easier to check status of each technology as well as unit alarm.
Test input	LED can be switched from the panel.
Adjustable optics	Optimizes 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.
Low voltage detection	Indication of problem before you get false alarms.
Sneak Zone	Effective detection below the sensor.
X Band Microwave	Better controlled detection.
Solid state relay	Cannot be defeated by external magnet.
TS50131 Grade 2 Class II compliant	Can be used in all installations to this standard.

## Ordering Information

W76218 Guardall DTSx 12m  
W72321 Guardall LPB2 Low Profile Wall Bracket  
W72977 Guardall CMB1 Ceiling Mount Bracket

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