

# Guardall Jupiter

## Advanced Dual-Technology sensor (Passive Infrared and Microwave)

The Guardall Jupiter presents a formidable, head and bracket dual technology deterrent, featuring a unique quality 24GHz microwave (?), to give superior coverage and performance in the protection of high risk areas and the more troublesome warehouse applications, or other remote areas where call-outs may be more expensive.

Available in 4 variants: 20m volumetric, 27m volumetric, 40m curtain and 61m long range.

### Superior quality and performance

- Custom microcontroller in conjunction with unique signal processing provides better target definition within the coverage area.
- The microwave source used in Jupiter gives a superior defined coverage area which improves immunity to false alarms from detection of movement through walls, doors, windows etc.
- Quality sealed mirror optics package.
- Superior white light and fluorescent light rejection.
- Microwave supervision circuitry continually monitors microwave and converts to a pulse count PIR in the unlikely event of failure and reports on the solid state output.
- Anti-masking circuitry signals attempt to impair the detector's performance.

### Installer and User Benefits

- Optimum range adjustment for both PIR (via head and bracket) and microwave (via thumbwheel potentiometer) for increased installation flexibility.
- The guarantee of optimised coverage means that fewer detectors are required resulting in less wiring, quicker installation and lower power consumption.
- Tri-colour LED indicates separate PIR, microwave and unit alarm channels to assist walk testing during installation.
- Remote control of walk test LED via a test line.
- Allows the microwave power to be disabled when the detector is unset.
- Both the microwave range (maximum distance detected) and the sensitivity (distance to alarm) is installer adjustable.

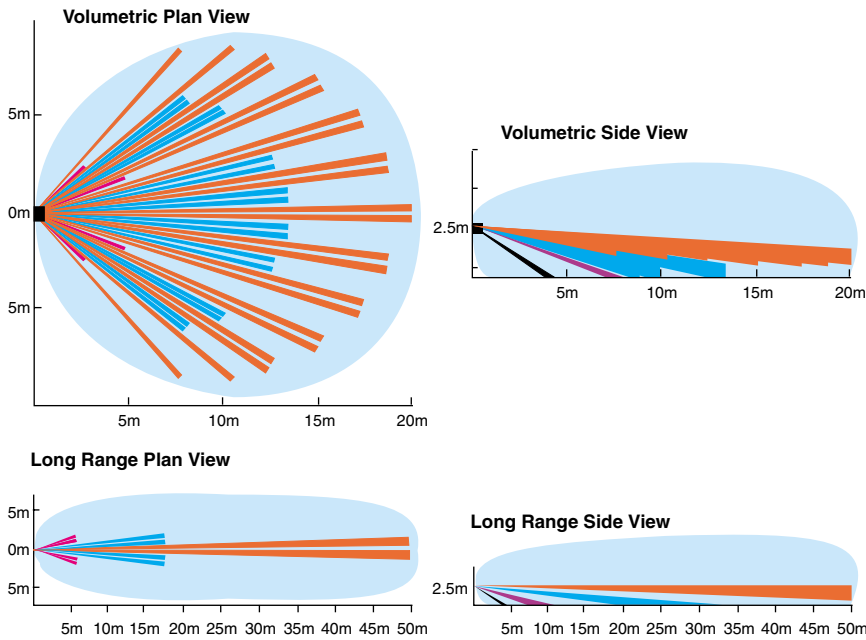


**Guardall**

● **Jupiter SERIES**

# Guardall Jupiter

SUPPLIER/INSTALLER



## ORDERING INFORMATION

Jupiter 20m volumetric  
Jupiter 27m volumetric  
Jupiter 40m curtain  
Jupiter 61m long range

### Accessories:

Relay module for use with the solid state output

Please note that for applications in countries other than the UK different part numbers may apply.

**W72620**  
**W73415**  
**W73870**  
**W72621**

**W71014**

## TECHNICAL SPECIFICATION

<b>Power</b>	<b>Voltage</b>	8.5 – 16V dc
	<b>Current</b>	25mA max @ 12V dc
	<b>Max ripple</b>	2V peak to peak @ 12V dc
<b>Microwave</b>	<b>Power</b>	0.004W/cm <sup>2</sup> @ 1m average
	<b>Frequency</b>	24.125 – 24.2GHz to comply with local regulations
<b>Alarm Output</b>		Normally closed voltage free relay contacts. Rated @ 24V, 50mA dc with 10 series protection resistor
<b>Alarm period</b>		Approximately 3 seconds
<b>Tamper output</b>		Normally closed voltage free switch contact. Rated @ 24V, 50mA dc with 10 series protection resistor
<b>Temperature range</b>		-10° to +55°
<b>Coverage adjustment</b>		+5° to -15° vertically, +/- 90° horizontally
<b>Walk test LEDs</b>		Internal links to enable: RED: unit alarm GREEN: Microwave channel ORANGE: PIR channel
<b>Remote LED enable</b>		Remote control of unit alarm via LED test line
<b>Latching</b>		Both first to alarm (F type) or standard latching (L type) are available
<b>Microwave trouble</b>		Indicated on solid state output
<b>Anti-mask</b>		Solid state output to indicate mask attempt
<b>Packed weight</b>		750g approx.
<b>Dimensions</b>		170 x 100 x 120mm volumetric 220 x 100 x 140mm curtain and long range

## Guardall Jupiter Series

### PRODUCT FEATURES-

- Produced according to ISO 9001.
- Custom microcontroller and unique signal processing.
- Superior defined microwave coverage area.
- Quality sealed mirror optics package.
- Superior white light and fluorescent light rejection.
- Microwave supervision circuitry converts to a pulse count PIR in the unlikely event of microwave trouble.
- Anti-masking.
- Optimum range adjustment for both PIR (via head and bracket) and microwave (via thumbwheel potentiometer) for increased installation flexibility.
- Tri-colour LED.
- Remote control of walk test LED.
- Allows the microwave power to be disabled when the detector is unset.
- Both the microwave range (maximum distance detected) and the sensitivity (distance to alarm) is installer adjustable.

### Guardall Limited

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