

## D-TECT Laser

The D-TECT Laser is a laser based security device designed to create virtual curtains and surveillance security zones. The D-TECT Laser is programmable to within 10cm and operates with the highest levels of precision for accurate and reliable intrusion detection.

### APPLICATIONS

- Monitoring pedestrian and vehicle access points
- Perimeter protection and intrusion detection
- Safeguarding works of art and masterpieces
- Protection against theft and vandalism
- Securing open sites

### EASE OF INSTALLATION

- 3 visible red LASER beams can be activated to align the detection surface and adjust the tilt and rotation angles
- Teach-in function: self-learning of both environment and background through an automatic adjustment of the detection planes
- Remote control to easily set the adjustable parameters



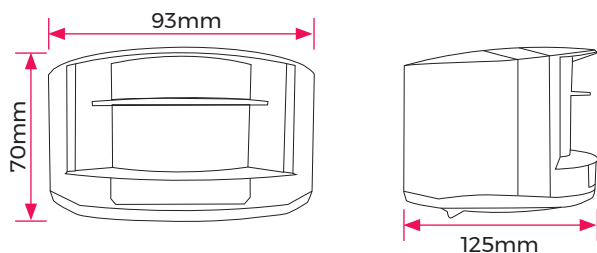
### PRODUCT CODES

**GJD500** D-TECT Laser 25m x 25m Black - **GJD500/W** White version

**GJD505** D-TECT Laser 5m x 5m Black - **GJD505/W** White version

**GJD509** D-TECT Laser 10m x 10m Black - **GJD509/W** White version

### DIMENSIONS



### FEATURES

Covert operation: the LED display can be switched off with the remote control

4 adjustable sensing curtains to provide alarm & pre-alarm warning

High immunity to environmental interference using dedicated time of flight software

### BENEFITS

Capacity to detect or ignore objects with a remission factor down to 2%

Discreet design with optional black or white housing

IP65 rated, indoor and outdoor applications

Extremely reliable detection

# SPECIFICATIONS

## ACCESSORIES

<b>GJD501</b>	Laser Programmer
<b>GJD511</b>	Laser Bracket
<b>GJD513</b>	D-TECT Laser Spot Finder



### D-TECT LASER PROGRAMMER

The user friendly programmer allows all settings and parameters to be easily set and adjusted.



### D-TECT LASER BRACKET

This bracket is required when fitting the laser 'end on' to a wall or post.

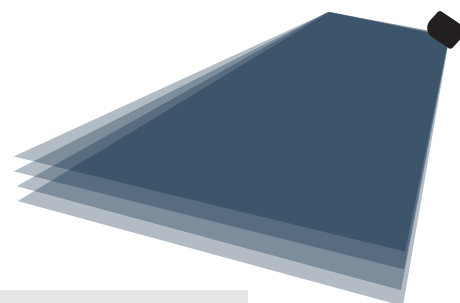
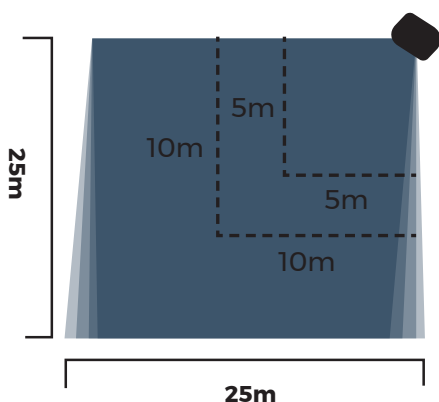


### D-TECT LASER SPOT FINDER

The Spotfinder is a set up too that enables the engineer to locate the precise position of the laser curtains.

<b>TECHNOLOGY</b>	Laser scanner, time-of-flight measurement
<b>DETECTION MODE</b>	Movement and presence
<b>MAX. DETECTION RANGE</b>	GJD500: 25m x 25m GJD509: 10m x 10m GJD505: 5.0 x 5.0m
<b>ANGULAR RESOLUTION</b>	0.3516*
<b>REMISSION FACTOR</b>	>2%
<b>TYP. MIN.TARGET SIZE</b>	2.1cm @ 3m / 3.5cm @ 5m / 7cm @ 10m / 17.5cm @ 25m (in proportion to object distance)
<b>EMISSION CHARACTERISTICS IR LASER</b>	Wavelength 905 nm; max. output pulse power 75W (Class 1)
<b>RED VISIBLE LASER</b>	Wavelength 650 nm; max. output CW power 3mW (Class 3R)
<b>SUPPLY VOLTAGE</b>	24VDC 3A Supply
<b>CABLE LENGTH</b>	10m
<b>PEAK CURRENT AT POWER ON:</b>	2.625A max 80ms @ 24VDC
<b>RESPONSE TIME</b>	Typ. 20 ms; max. 80 ms
<b>OUTPUT MAX SWITCHING VOLTAGE MAX SWITCHING CURRENT</b>	2 electronic relays (galvanic isolated - polarity free) 5V DC / 24V AC 80mA (resistive)
<b>LED SIGNALS</b>	1 blue LED: power-on status, 1 orange LED: error status, 2 bicoloured LED's: detection/output status (green: no detection. red: detection.) The LED's can be switched off by remote control
<b>DIMENSIONS</b>	125 mm (D) x 93 mm (W) x 70 mm (H) (mounting bracket + 14 mm)
<b>MATERIAL</b>	PC/ASA (colour: black or white)
<b>ROTATION ANGLES ON BRACKET</b>	-5° to +5° (lockable)
<b>TILT ANGLES ON BRACKET</b>	-3° to +3°
<b>PROTECTION DEGREE</b>	IP65 (avoid direct exposure to high pressure cleaning)
<b>TEMPERATURE RANGE</b>	-30°C to +60°C if powered / -10°C to +60°C unpowered
<b>HUMIDITY</b>	0-95% non-condensing
<b>VIBRATIONS</b>	< 2 G
<b>NORM CONFORMITY</b>	2006/95/EC: LVD; 2002/95/EC: RoHS; 2004/108/EC: EMC; EN 60529:2001, IEC 60825-1:2007 Laser Class 1 & 3R; EN 61000-6-2:2005 EMC - Industrial level; EN 61000-6-3:2006 EMC - Commercial level

## BEAM PATTERNS



4 X LASER CURTAINS