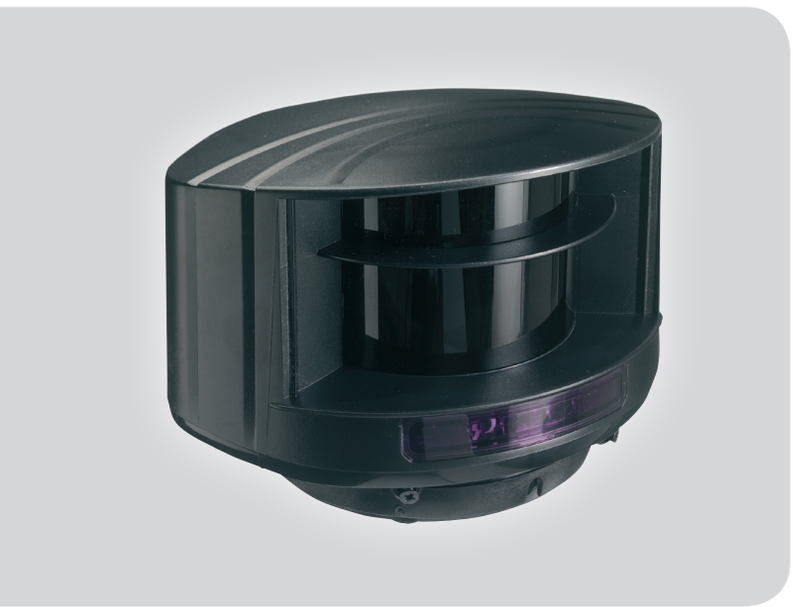
GJD
DETECT & SECURE



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

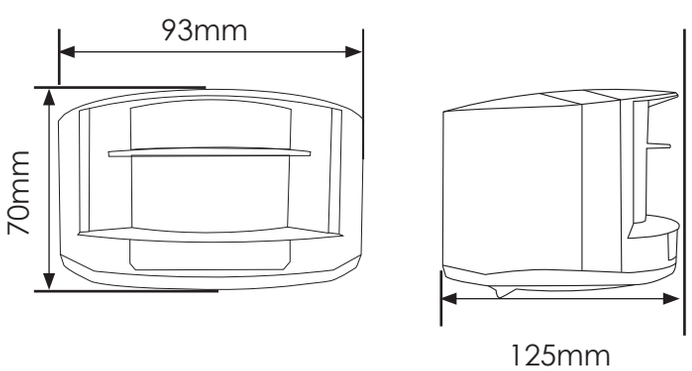
- 3 visible red LASER beams can be activated to align the detection surface and adjust the tilt and rotation angles
- Teach-in function: self-learning of both environment and background through an automatic adjustment of the detection planes
- Remote control to easily set the adjustable parameters

PRODUCT CODES

GJD500 D-TECT Laser 25m x 25m Black
GJD500/W D-TECT Laser 25m x 25m White
GJD505 D-TECT Laser 5m x 5m Black
GJD505/W D-TECT Laser 5m x 5m White
GJD509 D-TECT Laser 10m x 10m Black
GJD509/W D-TECT Laser 10m x 10m White

UNIQUE FEATURES	END USER BENEFITS
Covert operation: the LED display can be switched off with the remote control	Capacity to detect or ignore objects with a remission factor down to 2%
4 adjustable sensing curtains to provide alarm & pre-alarm warning	Discreet design with optional black or white housing
High immunity to environmental interference using dedicated time of flight software	IP65 rated, indoor and outdoor applications
	Extremely reliable detection

DIMENSIONS



SECTORS

RESIDENTIAL · COMMERCIAL · INDUSTRIAL · BORDERS · MILITARY BASES · PORTS · POWER PLANTS · HERITAGE · AIRPORTS · PRISONS

TECHNICAL SPECIFICATIONS

ACCESSORIES	
GJD501	Laser Programmer
GJD511	Laser Bracket
GJD513	D-TECT Laser Spot Finder



D-TECT LASER PROGRAMMER

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



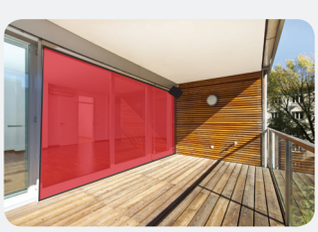
D-TECT LASER BRACKET

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



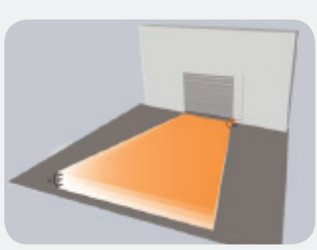
D-TECT LASER SPOT FINDER

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



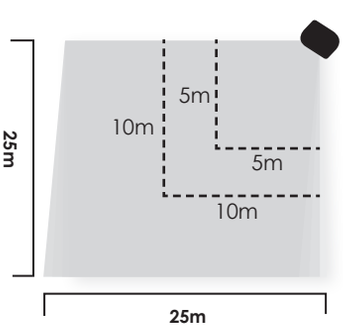






TECHNOLOGY	Laser scanner, time-of-flight measurement
DETECTION MODE	Movement and presence
MAX. DETECTION RANGE	GJD500: 25m x 25m GJD509: 10m x 10m GJD505: 5.0 x 5.0m
ANGULAR RESOLUTION	0.3516*
REMISSION FACTOR	>2%
TYP. MIN.TARGET SIZE	2.1cm @ 3m / 3.5cm @ 5m / 7cm @ 10m / 17.5cm @ 25m (in proportion to object distance)
EMISSION CHARACTERISTICS IR LASER RED VISIBLE LASER	Wavelength 905 nm; max. output pulse power 75W (Class 1) Wavelength 650 nm; max. output CW power 3mW (Class 3R)
SUPPLY VOLTAGE	10-35V DC @ sensor terminal
CABLE LENGTH	10m
POWER CONSUMPTION	< 5 W
PEAK CURRENT AT POWER ON:	1.8 A (max. 80 ms @ 35 V)
RESPONSE TIME	Typ. 20 ms; max. 80 ms
OUTPUT MAX SWITCHING VOLTAGE MAX SWITCHING CURRENT	2 electronic relays (galvanic isolated – polarity free) 5V DC / 24V AC 80mA (resistive)
LED SIGNALS	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
DIMENSIONS	125 mm (D) x 93 mm (W) x 70 mm (H) (mounting bracket + 14 mm)
MATERIAL	PC/ASA (colour: black or white)
ROTATION ANGLES ON BRACKET	-5° to +5° (lockable)
TILT ANGLES ON BRACKET	-3° to +3°
PROTECTION DEGREE	IP65 (avoid direct exposure to high pressure cleaning)
TEMPERATURE RANGE	-30°C to +60°C if powered / -10°C to +60°C unpowered
HUMIDITY	0-95% non-condensing
VIBRATIONS	< 2 G
NORM CONFORMITY	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 61000-6-3:3006 EMC – Commercial level

BEAM COVERAGE





4 x Laser Curtains

Please note GJD reserve the right to change the information within this document, without notice.

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