



D-TECT Laser

Laser Detection

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

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

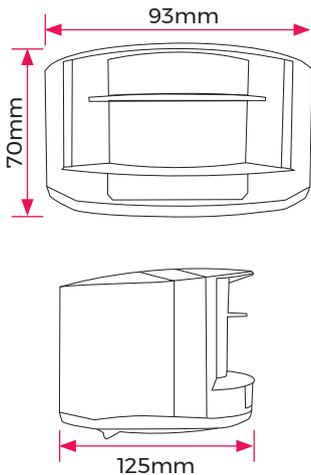
Extremely reliable detection

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



SPECIFICATIONS



ACCESSORIES

GJD501		D-TECT Laser Programmer The user friendly programmer allows all settings and parameters to be easily set and adjusted.
GJD511		D-TECT Laser Bracket This bracket is required when fitting the laser 'end on' to a wall or post.
GJD513		D-TECT Laser Spot Finder The Spotfinder is a set up tool 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

Wavelength 905 nm; max. output pulse power 75W (Class 1)

Red Visible Laser

Wavelength 650 nm; max. output CW power 3mW (Class 3R)

Supply Voltage

24VDC 3A Supply

Cable Length

10m

Peak Current At Power On

2.625A max 80ms @ 24VDC

Response Time

Typ. 20 ms; max. 80 ms

Output

2 electronic relays (galvanic isolated - polarity free)

Max Switching Voltage

5V DC / 24V AC

Max Switching Current

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

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

<2G

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; EN61000-6-2:2019 - Industrial level; EN 61000-6-3:2007+AI:2011 - Commercial level

APPLICATIONS

- Residential
- Commercial
- Government
- Industrial
- Transportation
- Military Bases
- Heritage

