



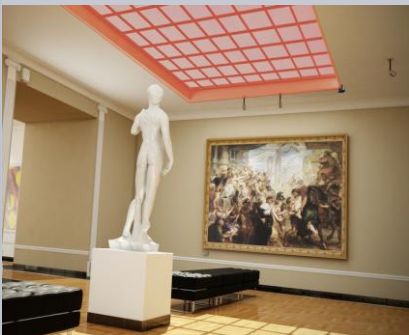
Protection of Works of Art



Day and Night Features:
<day>



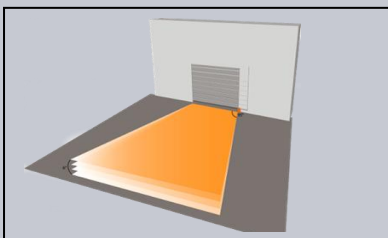
Day and Night Features:
<night>



Intrusion Protection



Protection against product damage and theft



Perimeter Protection

APPLICATIONS

- Protection against theft and vandalism
- Perimeter protection / intrusion detection
- Protection of works of art and masterpieces in museum
- Protection of high level security building

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

TECHNICAL SPECIFICATIONS

PRODUCT CODE GJD500 D-TECT LZR

Technology	LASER scanner, time-of-flight measurement
Detection Mode	Movement and presence
Detection range	10m x 10m (@ 2% remission factory) – Max 25m x 25m
Angular resolution	0,3516°
Typ. min. target size	21cm @ 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
Supply voltage	10-35V DC @ sensor terminal
Power consumption	< 5 W
Response time	Typ. 20 ms; max. 80 ms
Output Max. switching voltage Max. switching current	2 electronic relays (galvanic isolated – polarity free) 35V DC / 24V AC 80mA (resistive)
LED signals	1 blue LED: power-on status 1 orange LED: error status 2 bicoloured LED: detection/output status (green LED: no detection. Red LED: detection) The LEDs 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 61000-6-3:2006 EMC – Commercial level



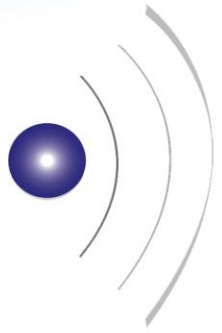
Specifications are subject to change without prior notice

www.gjd.co.uk

tel: +44(0)1706 363998

email: info@gjd.co.uk

GJD Manufacturing Limited | Unit 2 Birch Business Park | Whittle Lane | Heywood | Lancs | OL10 2SX | UK



MOVE TO THE 4TH DIMENSION ON YOUR SECURITY SYSTEM



D-TECT LZR LASER SCANNER FOR PERIMETER PROTECTION & INTRUDER DETECTION

The D-TECT LZR is a LASER-based security device designed to protect goods and buildings against theft, vandalism and intrusion. This high-precision sensor ensures high levels of detection and security.

PERFORMANCE

- Typical detection range : 25 m x 25 m*
- Capacity to detect or ignore objects in mm-range** and with a remission factor down to 2%
- 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
- Discreet design with optional black or white housing
- IP65, indoor or outdoor applications

*For further options please contact GJD

** Depends on the application