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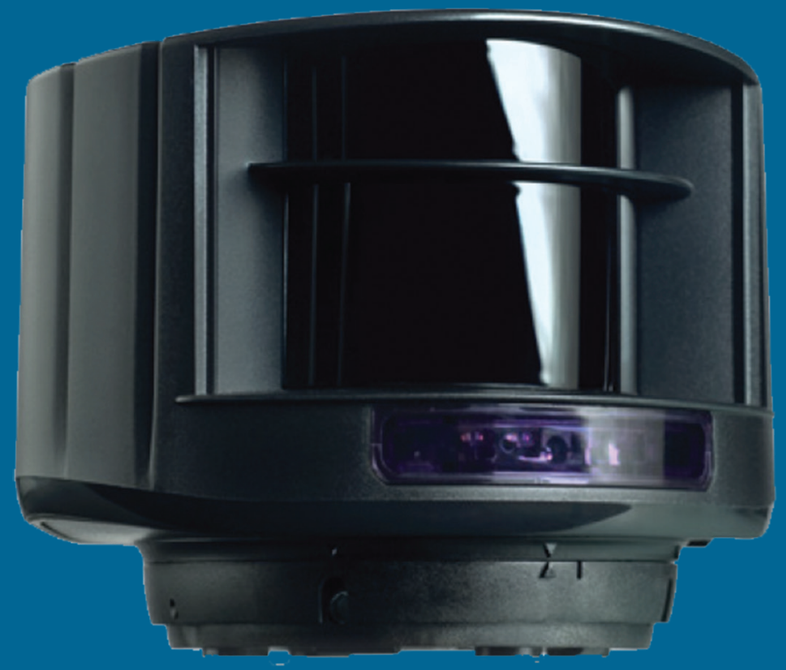
ENTRANCES & AUTOMATIC DOORS



XGuard 5H

LASER SCANNERS

Horizontal safety sensors for barriers

Simply automatic.

XGuard 5H

Laser scanner for barriers

screens pedestrians in the opening area

Unrestricted configuration of the detection field

Performance

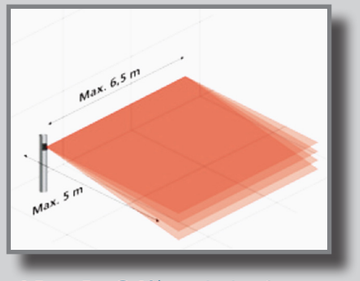
- Double function: opening, maintenance of presence and/or safety
- An alternative to cutting loops into the road surface.
- Detects all types of vehicles: electrical vehicles, vehicles made of composite materials, trucks with trailers...
- It is possible to detect the vehicle's trajectory as it is approaching or moving away, reducing false barrier raises
- Screens pedestrians in the opening area, preventing false activations
- Maximum detection field of 6.5m x 5m
- It is possible to switch off the LED indicators in order to make the equipment more discreet

Applications:

- Opening, presence and/or safety detection for rising barriers

Ease of installation:

- Alternative to induction loops; installation and adjustment without the need for impact on the roadway
- Unrestricted, easy configuration of the opening and presence detection areas
- Positioning of the detection fields facilitated by means of 3 visible infrared points
- Option of mounting the device to the left or right of the barrier
- Automatic learning of the environment
- Xguards require a universal remote for programming (order as separate engineers tool)
- Mounting bracket is available separately



6.5m x 5m @ 2% remission factor

Technical Specifications

Technology	LASER scanner, time of flight measurement
Detection mode	motion and presence
Max Detection range	5m x 6.5m
Emission characteristics IR LASER Red visible LASER	 Wavelength 905 nm; max. output pulse power 75W Wavelength 650 nm,; max ouput CW power 3mW
Supply voltage	10-35V DC@sensor side
Power consumption	< 5W
Cable length	5m (standard), max 10m
Response time Motion detection Presence detection	 Typ 200ms (adjustable) Typ 20ms; max 80ms
Output	2 electronic relays (galvanic isolation - polarity free)
Input	1 optocoupler (galvanic isolated - polarity free)
LED signals	1 blue LED: power on status 1 orange LED: error status 2 bi-coloured LED's: detection/output status (green: no detection; red: detection)
Dimensions	125mm (L) x 93mm (D) x 70mm (H) (mounting bracket +14mm)
Material	PC/ASA
Colour	Black
Rotation angles on bracket	-5° to +5° (lockable)
Tilt angles on bracket	-3° to +3°
Protection degree	IP65
Temperature range	-30°C to +60°C if powered; -10°C to +60°C unpowered
Humidity	0-95% non-condensing
Vibrations	<2G
Pollution on front screens	max 30%; homogenous
Norm conformity	2006/95/EC: LVD; 2002/95/EC: RoHS 2; 2004/108/EC: EMC; EN60529:2001; IEC 60825-1:2007 Laser class 1 & 3R; EN 609550-1:2005; EN61000-6-2:2005EMC; EN61000-6-3:2006 EMC