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XGuard 10H

## LASER SCANNERS

Horizontal safety sensors for barriers

**FAAC**  
*Simply automatic.*





screens pedestrians in the opening area



Unrestricted configuration of the detection field

## Performance

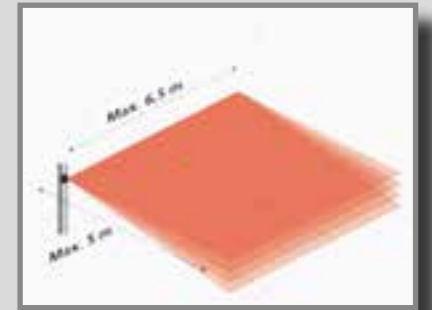
- Double function: opening, maintenance of presence and/or safety
- An alternative to cutting loops into the road surface.
- Detects all types of vehicles: electrical vehicles, vehicles made of composite materials, trucks with trailers...
- It is possible to detect the vehicle's trajectory as it is approaching or moving away, reducing false barrier raises
- Screens pedestrians in the opening area, preventing false activations
- Maximum detection field of 9.9m x 9.9m
- 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



9.9m x 9.9m @ 2% remission factor

## Technical Specifications

Technology	LASER scanner, time of flight measurement
Detection mode	motion and presence
Max Detection range	9.9m x 9.9m
Emission characteristics IR LASER Red visible LASER	Wavelength 905 nm; max. output pulse power 75W Wavelength 650 nm; max output 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