

Access control for vehicles

Opening & safety sensor for barriers

The Opening & safety sensor for barriers offers a real alternative to induction loops: time gain during installation, detection of all types of vehicles and greater adaptability. This laser sensor for rising barriers is used to open, secure and/or detect a presence. It offers great flexibility in defining the width and depth of the detection zones (max detection field of 9.9 m x 9.9 m).

- Alternative to induction loops: installation and adjustment without heavy road works
- Unrestricted, easy configuration of the detection fields
- 3 visible laser beams to help positioning the detection areas
- The sensor can be mounted on the left or right of the barrier
- Automatic learning of the environment



Bracket Accessory



Single access lane

References

4-050505-0009-000	Combined laser/scanner for opening and safety
4-050505-0010-000	Bracket
4-050505-0011-000	Universal remote control for sensor setting

Technical specifications

Technology	LASER scanner, time-of-flight measurement
Max. detection range	9.9 m x 9.9 m
Emission characteristics	IR laser (CLASS 1): wavelength 905 nm ; max. output pulse power 75 W Laser visible (CLASS 3R): wavelength 650 nm ; max. output CW power 3 mW
Supply voltage	10-35V DC @ sensor side
Power consumption	< 5 W
Response time	Motion detection: typ. 200 ms (adjustable) Presence detection: typ. 20 ms; max. 80 ms
Outputs	2 electronic relays (galvanic isolated - polarity free)
Input	1 optocoupler (galvanic isolated - polarity free)
Dimensions	125 mm (D) x 93 mm (W) x 70 mm (H) (with mounting bracket + 14 mm)
Material / Colour	PC/ASA / Black
Protection degree	IP65
Temperature range	-30°C to +60°C if powered; -10°C to +60°C unpowered
Humidity	0-95 % non-condensing
Vibrations	< 2 G
Pollution on front screens	max. 30%; homogenous
Norm conformity	This product conforms to all applicable European Union legislation