

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



Single access lane



Mounting bracket for SmartOne



Mounting bracket

| 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 |
| Warranty | 3 Years |
| Article numbers | |
| 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 |
| 1-010100-0070-000-716-00 | Mounting bracket for SmartOne - RAL7016 |

