



Barrier sensors - Metal mass detectors/ Vehicle Detection Sensor

EASYLOOP

MICROWAVE
technology



EASYLOOP is a cutting-edge virtual loop vehicle detection sensor designed to efficiently manage entrance and exit operations in parking lots, business parks and beyond.

Powered by FMCW (frequency-modulated continuous wave) radar technology and a compact design, it ensures reliable and precise detection, even in the harshest conditions.

- **Advanced vehicle/pedestrian detection**
- **User-friendly installation via mobile app**
- **Designed for all-weather accuracy whether it's rain, fog, snow or dust**
- **The sensor intelligently learns its surroundings and focuses only on the relevant detection zone to avoid false alarms**



EasyLoop combines advanced radar technology with a compact design to deliver a reliable and precise vehicle detection solution. The 79 GHz millimeter-wave radar sensor reliably monitors vehicle movements at entrances and exits.

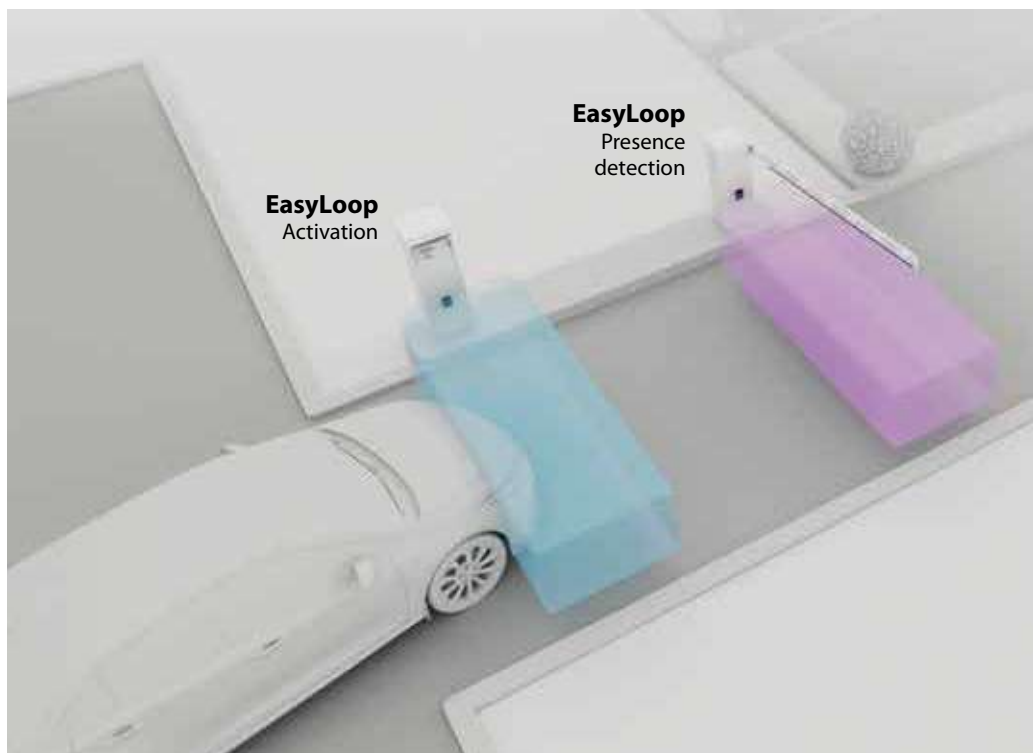
Activation

Used for various applications as an activator for ticketing systems at barrier systems in parking or toll facilities as well as sliding gates. Adjustable sensitivity settings allows you to detect vehicles and pedestrians or just vehicles. The uni- and bi-directional recognition feature prevents tailgating and unauthorized entry.

Presence detection

Function to safeguard various barrier types, preventing any contact with vehicles, pedestrians or objects. EasyLoop can be used for activation or presence detection of the following barrier types:

- Straight arm barrier
- Articulated/folding boom barrier
- Advertising and fence gate barrier

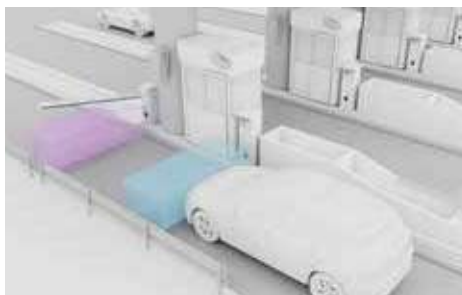


Applications

Barrier – Parking system



Toll stations



Sliding gates



EasyLoop app mobile

The EasyLoop mobile app makes sensor setup fast and effortless, giving users full control right from their phone.

With an intuitive interface, real-time adjustments and easy access to documentation and firmware updates, it ensures smooth installation and maximum flexibility for any application.



Download the EasyLoop app today to configure your sensor, adjust operational settings and manage updates directly from your phone.



Supply voltage: 9 – 24 V DC (12 V / 1 A preferred)

Power consumption: < 2,5 W

Output: output NO/NC dual relay

Technology: Radar FMCW

Transmission frequency: Microwave 79 GHz

Detection width: 0.5÷1.5 m per side, configurable via mobile app

Detection distance: 1÷6 m, default 3 m configurable via mobile app

Detection height: max. 1,6 m

Interface: Bluetooth®/RS485

Response time: 100 ms

Wiring: 10 pin

Connection type: 1.2 m cable with plug connector

Installation height: 650÷800 mm

Installation position: Barrier gate box install

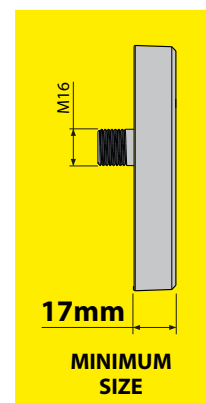
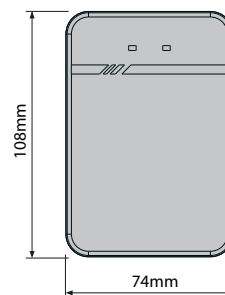
Operating temperature: –40 °C, +85 °C

Degree of protection: IP66

Housing material: PC, PBT, GF20, ABS black

Dimensions: (L × W × D) 108 × 74 × 17 mm

Conformity: according to RoHS 2011/65/EU; RED 2014/53/EU; EN12453 Type D



APE - 791 / 487132



EASYLOOP
Vehicle detection sensor

Accessories

APE - 791 / 487135



EASYLOOP
mounting bracket

APE - 550 / 5061

DORICA 50
Column
h=500 mm
with fixing
base in
technopolymer

