EasyLoop

Vehicle detection sensor

Ideal for barrier control, this presence-detection sensor features a Bluetooth app-based configuration for easy setup and a robust design for long-lasting performance.

**Smart
Sensing
Solutions**

Your benefits

The EasyLoop is a cutting-edge vehicle detection sensor designed to manage entrance and exit operations across parking lots, business parks, and more. Powered by 79 GHz millimeter-wave radar technology and a compact design, it ensures reliable and precise detection, even in the harshest conditions.

User friendly installation

Configure sensitivity, detection range and operation modes directly via mobile app.

Smart Installation:
Above-ground setup at 0.8m. No digging or surfacing work required with bracket options for diverse applications.

Robust design

Stable, accurate detection in all conditions - rain, fog, snow and dust. Superior design offers protection ratings of IP66 for EasyLoop D (high dust/water protection) & IP55 for EasyLoop S (dust/water spray resistant). Built to withstand rugged use while maintaining a slim form factor.

Several features

The sensor intelligently learns its surroundings and focuses only on the relevant detection zone to avoid false alarms. Works for activation or presence detection, vehicle protection and offers accurate object differentiation to filter out pedestrian traffic, due to high resolution 79 GHz radar. Vehicle counting sup-ports analytics and control for advanced traffic management.
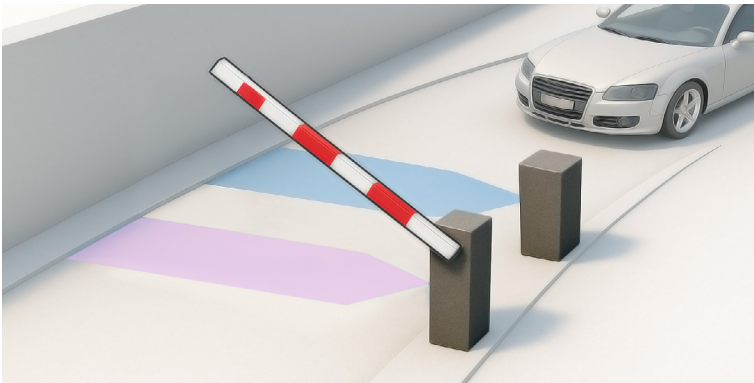

EasyLoop D
Article No. 487132
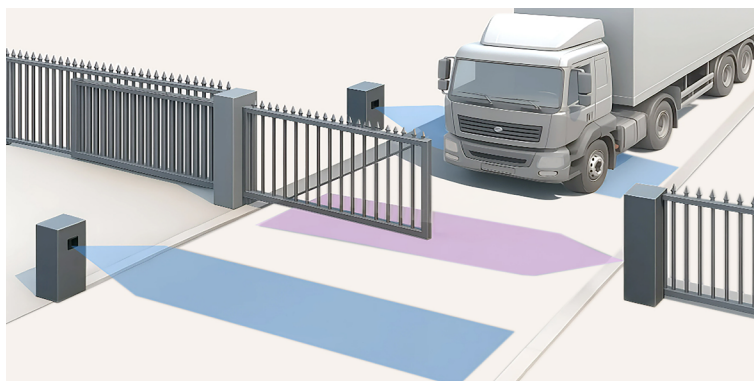

EasyLoop S
Article No. 487134

Areas of application

We use our extensive technological expertise to develop individual customer solutions. With intelligent presence detection sensor technology for sliding gates and parking management, BBC Bircher Smart Access provides reliable, application-specific products.

Barrier-Parking & Toll-system

Efficiently activate ticket dispensers in parking areas or payment terminals at toll stations or safeguard barriers with presence detection. EasyLoop activates upon vehicle arrival and seamlessly integrates with existing systems ensuring smooth and efficient access flow.

Sliding gates

The EasyLoop products feature cutting edge radar technology to activate or safeguard sliding gates with pedestrian & vehicle differentiation and detection.

● Presence detection　　●　Activation

EasyLoop D

Double function presence detection sensor
for safeguarding or activating barrier systems

Mechanical data

Housing material	PC, PBT, GF20, ABS
Dimensions (L × W × D)	108 × 74 × 17 mm (4.25 × 2.9 × 0.7 in)
Weight	131 g (4.7 oz)
Protection Class	IP66

Functional data

Function	Safety (presence detection) Activation (motion detection)
Transmission frequency	Microwave 79 GHz
Detection distance	1.0 – 6.0 m (3.3 – 19.7 ft), default 3 m (9.8 ft), configurable via mobile app
Detection width	0.5 – 1.5 m (1.6 – 5.0 ft) per side, configurable via mobile app
Interface	Bluetooth® / RS485

Electrical data

Supply voltage	9-24VDC (12 V / 1 A preferred)
Power consumption	<2.5W
Output	NO/NC dual relay
Response time	100 ms
Wiring	10 pin
Cable length	1.2 m (3.9 ft)

Surrounding conditions

Operating temperature	min. -40 °C, max. 85 °C (min. -40 F, max. 185 F)
Installation	Barrier gate box install

Conformity

Certification	CE, RoHS

Order Details

Article Number	487132

Technical documentation

You will find all documents
on the manufacturer website
bircher.com

EasyLoop S

Single function presence detection sensor
for safeguarding barrier systems

Mechanical data

Housing material	PC, PBT, GF20, ABS
Dimensions (L × W × D)	108 × 74 × 17 mm (4.25 × 2.9 × 0.7 in)
Weight	98 g (4.7 oz)
Protection Class	IP55

Functional data

Function	Safety (presence detection)
Transmission frequency	Microwave 79 GHz
Detection distance	1.0 – 6.0 m (3.3 – 19.7 ft), default 3 m (9.8 ft), configurable via mobile app
Detection width	0.5 – 1.5 m (1.6 – 5.0 ft) per side, configurable via mobile app
Interface	Bluetooth® / RS485

Electrical data

Supply voltage	9-24VDC (12 V / 1 A preferred)
Power consumption	<2.5W
Output	NO/NC dual relay
Response time	100 ms
Wiring	10 pin
Cable length	1.2 m (3.9 ft)

Surrounding conditions

Operating temperature	min. -40 °C, max. 85 °C (min. -40 F, max. 185 F)
Installation	Barrier gate box install

Conformity

Certification	CE, RoHS

Order Details

Article Number	487134

Download App

EasyLoop

Configuration of the vehicle detection sensor

Download on the App Store

GET IT ON Google Play

Smart Sensing Solutions