EVOLOOP

INDUCTION LOOP REPLACEMENT FOR AUTOMATIC BARRIERS

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TECHNOLOGY

CERTIFICATIONS

FC

VIDEO

Discover the product video on YouTube

DESCRIPTION

EVOLOOP is the alternative to traditional, in-ground induction loops used for vehicle detection in parking, access, and security applications.

Designed with a 140° field of view, **EVOLOOP** allows for up to 3 virtual loops that provide precise detection for control of the barrier. Capable of triggering both the opening and closing of the barrier, this solution is suitable for parking systems, ticketing, biometric recognition, and license plate recognition cameras for access control systems.

EVOLOOP is proven to reduce the risk of vehicle and pedestrian collisions with the barrier arm in all types of environments and weather conditions.

Installation is quick and easy with simple mounting and wiring options along with an intuitive mobile app for programming.

Plug-and-Go

No more dusty construction with noisy and heavy equipment. Enjoy an **installer-friendly, clean, and time-saving experience** with EVOLOOP. Simply mount the sensor, apply power, and launch a teach-in.

Connect and set

Start a teach-in **via mobile app** and set up **2 preconfigured loops in no time**. You may also configure **up to 3 virtual loops** independently to fit the application's needs. Choose the loop type, target type, and select a direction to filter out cross-traffic.

Versatile solution

EVOLOOP adapts to **all applications**, whether you need to set up a parking system or provide protection against collision with the barrier arm. It can also be installed on **all types of barriers**, including skirt or hinged support features.

Any weather, any time

EVOLOOP can be installed in any weather, year-round. The virtual loops are **reliable and resistant in all environments and conditions**, including challenging weather like fog, heavy rain, frost, or snow.

APPLICATIONS

Access control

Parking

Tolls

TECHNICAL SPECIFICATIONS

Technology	microwave 60GHz (FMCW)
Detection types	presence, protection
Mounting height	12 – 27" (measured from the road, viewed horizontally)
Max. detection field	up to 23'
Radar field of view	140° opening angle and 40° in elevation
Antenna angle adjustment	-20 – 20° (without accessory)
Supply voltage*	12 – 30 VDC ±10% / 12 – 24 VAC ±10%
Power consumption	< 3 W
Outputs	2 electronic relays (galvanic isolated - polarity free) 1 relay
Test input	1 optocoupler (galvanic isolated - polarity free)
Dimensions	2" × 6" × 2 ⁵/₈" (form factor)
Material / Color	PC, ASA, aluminium ADC12 / black
Protection degree	IP65 (IEC 60529)
Temperature range	-13 – 131 °F (-25 – 55 °C)** 0 – 95% relative humidity, non-condensing
LED	3 RGB 1 white for BLE
Bluetooth operating bandwidth max. transmitted power	2402 – 2480 MHz 12 dBm
Compliance	EN 12453 (type D)

* External electrical sources must ensure double insulation from primary voltages.

** When using AC supply, the maximum temperature is limited to 131 °F (50 °C).
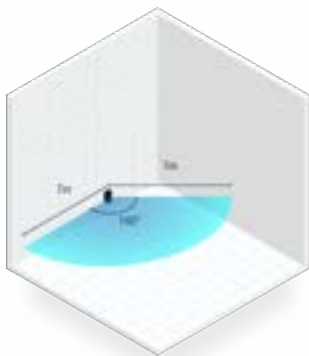
APP

Download the EVOLOOP mobile app

PRODUCT SERIES

10EVOLOOP
Virtual loop sensor for automatic barriers

ACCESSORIES

10ELPC
Protective cover (metal)

10ELB
Bracket accessory (metal)

10ELH
Anti-vandalism housing accessory (metal)

10ELHB
Bracket and housing accessory (metal)

REPLACEMENT PARTS

35.1604	10' replacement harness
48.1454	sliding cover (plastic)
48.1456	protective cover (plastic)
48.1455	base

WWW.BEASENSORS.COM

EVOLOOP INDUCTION LOOP REPLACEMENT FOR AUTOMATIC BARRIERS

BEA AMERICAS / RIDC Park West / 100 Enterprise Drive / Pittsburgh, PA
T 1-800-523-2462 / **F** 1-888-523-2462 / **E** info-us@BEAsensors.com

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