

EVOLOOP

INDUCTION LOOP REPLACEMENT FOR AUTOMATIC BARRIERS

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TECHNOLOGY



CERTIFICATIONS



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



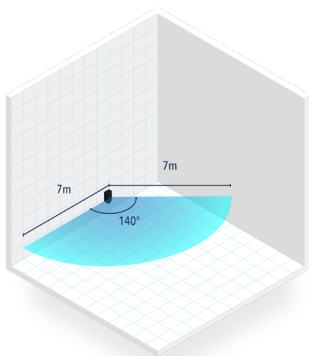
Tolls

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" x 6" x 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	2402 – 2480 MHz
max. transmitted power	12 dBm
Compliance	EN 12453 (type D)

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

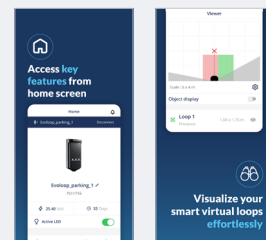
** When using AC supply, the maximum temperature is limited to 131 °F (50 °C).



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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