



EVOLOOP

INDUCTION LOOP REPLACEMENT FOR AUTOMATIC BARRIERS

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.

APPLICATIONS



Access control



Parking



Tolls



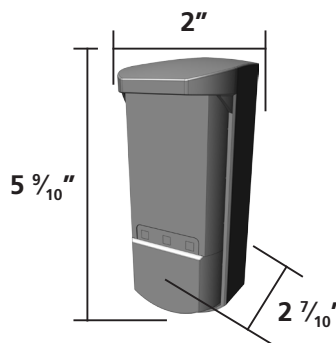
TECHNICAL SPECIFICATIONS

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)**
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).

DIMENSIONS



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