

# 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



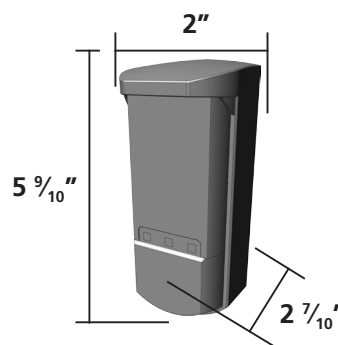
### TECHNICAL SPECIFICATIONS

|                          |                                                                      |
|--------------------------|----------------------------------------------------------------------|
| 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)<br>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<br>1 white for BLE                                             |
| Bluetooth                | operating bandwidth 2402 – 2480 MHz<br>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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