

Evoloop

All in one Induction loops & PE Beams replacement



The **EVOLOOP** is the alternative to loop detectors and photocells beam. It removes the cost associated to cut roads for loop detectors and suits roads made of dirt or gravels.

With a 140° field of view, you can configure up to 3 virtual independent loops to enhance safety allow to detection of incoming vehicles and/or pedestrians.

The **EVOLOOP** will trigger opening and closing of the barrier and is compatible with the activation of ticketing and license plate recognition systems. As a safety device it will protect both vehicles and pedestrians reducing the risk of contact with the boom in all environments and conditions.

- **Easy Installation:** No more expensive dusty road works with noisy and heavy equipment. Just mount the sensor, plug it and launch a teach-in. Ready to go!
- **Connect & Set:** Via a mobile app, start a simple teach-in and setup 2 or 3 preconfigured loops in no time. Choose the loop type, target type and add a sense of direction to filter out cross-traffic.
- **Multiple Applications:** Whether you need to setup a paid parking system or need protection against collision with the boom the EVOLOOP can be installed on all types of barriers, even with skirt or folding support.
- **Day and Night Any environment:** The EVOLOOP has been designed for all weather condition. The virtual loops are reliable and resistant in all environments including challenging weather like heat, fog, dust, heavy rain, humidity even frost or snow.

ACCESSORIES



PROTECTIVE COVER
Metallic accessory for
EVOLOOP



BRACKET
Metallic accessory for
EVOLOOP

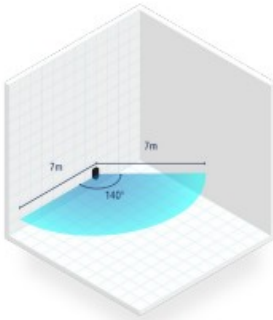


HOUSING
Metallic accessory for
EVOLOOP



BRACKET & HOUSING
Metallic accessory for
EVOLOOP

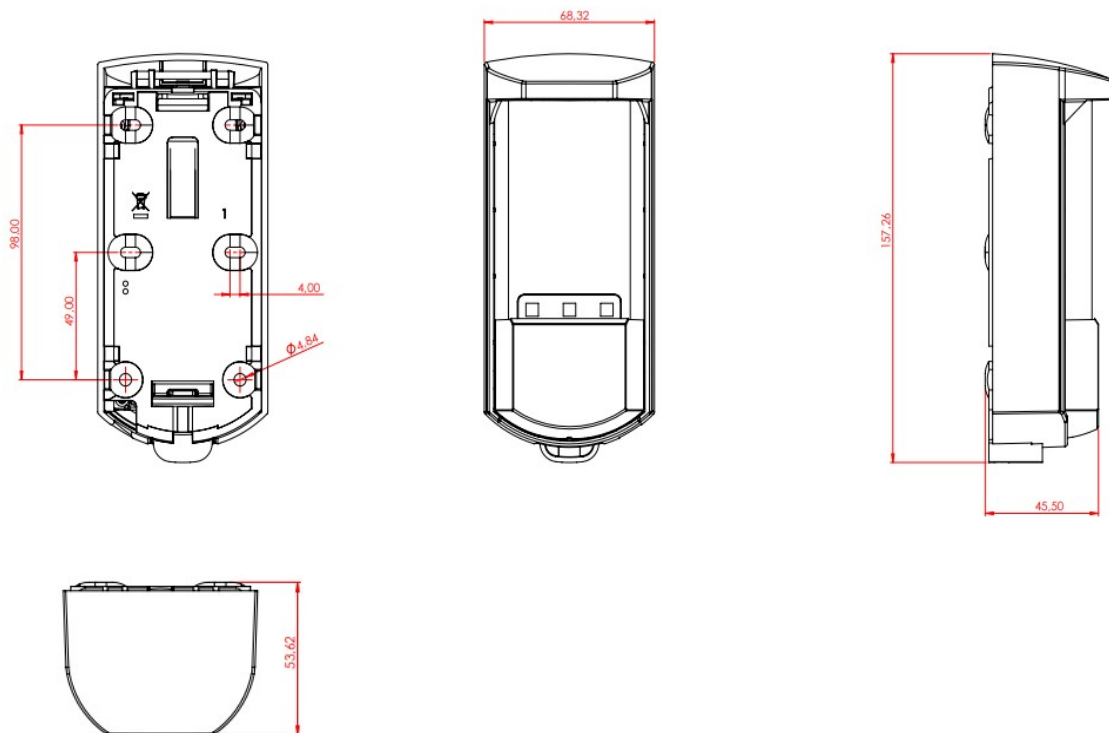
Technical Specifications



Technology	FMCW, MoWa inside (microwave 60GHz)
Detection types	presence, protection ^p
Mounting height	30 cm to 70 cm measured from the road (looking horizontally)
Max. detection field	Up to 7 m
Radar field of view	140° opening field and 40° in elevation
Antenna angle adjustment	-20° to +20 ° (without accessory)
Supply voltage*	12-30 V DC +/- 10% / 12-24 V AC +/- 10%
Power consumption	< 3 W
Outputs	2 electronic relays (galvanic isolated - polarity free) 1 relay
Test input	1 optocoupler (galvanic isolated - polarity free)
Dimensions	50 mm x 150 mm x 68 mm (form factor)
Material / Colour	PC / ASA / Aluminium ADC12 – black color
Protection degree	IP65 (IEC/EN 60529)
Temperature range	-25°C to +55°C** ; 0-95% relative humidity, non-condensing
Bluetooth ®	operating bandwidth: 2402 MHz – 2480 MHz maximum transmitted power: 12 dBm
Conformity	EN 12453 (type D)

* External electrical sources must ensure double insulation from primary voltages.
 ** When using AC supply, the maximum temperature is limited to 50°C.

Dimensions



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