

EVOLOOP

NEW



EVOLOOP is an activation and presence detector for automatic barriers, with integrated microwave technology **MoWa** based on FMCW principles. Is the alternative to induction loops and photocells and it detects motion and static presence.

It has a **type D safety certifiact**.

Thanks to the 140° field of view, you can configure up to 3 virtual loops independently to fit your application.

The loops can be positioned where you desired within this range. For each loop you can decide whether it should function as a presence loop or as a protection loop.

The EVOLOOP detector is particularly resistant in all environments and conditions, including challenging weather like fog, heavy rain, frost or snow.



MoWA
INSIDE



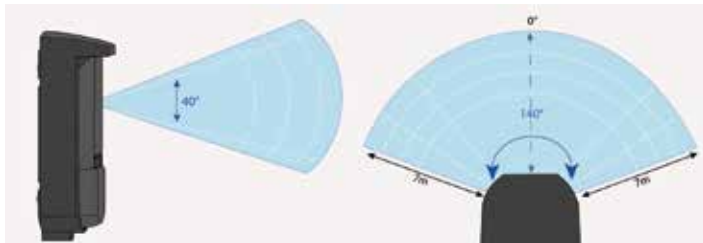
No more dusty road works with noisy and heavy equipment. Enjoy an installer-friendly, clean and time-saving experience with EVOLOOP. Just mount the sensor, plug it and launch a teach-in. Ready to go!



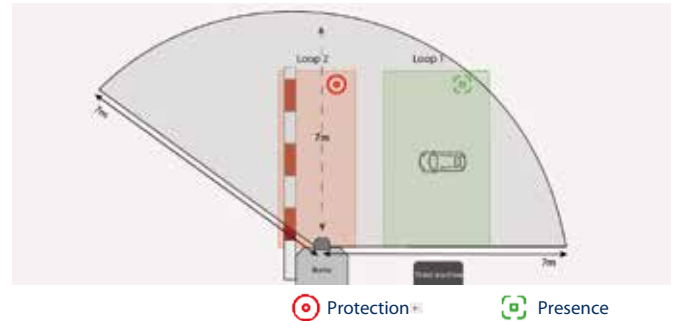
The EVOLOOP is adapted to all applications, whether you need to set up a pay parking system or protect users from a collision with the barrier. It can be installed on all types of barriers, even with a hedge or articulated support.

DETECTION RANGE

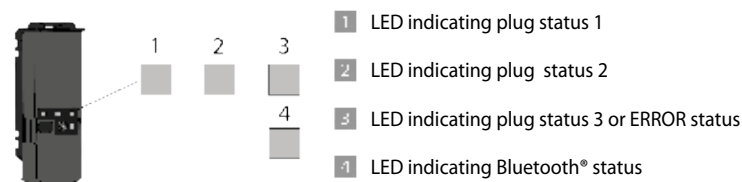
Field of view



Application example - presence and protection configuration



LED INDICATION



Presence loop: activates the output signal if it is detected an object that corresponds to the type and to the predefined direction.

Protection detection: activates the output signal for any object.

 Bluetooth® (only on LED 4)



Photocells and safety devices/ Activation and presence detector



Technology: FMCW, MoWa inside (60GHz microwave)
Mounting height: 30 cm to 70 cm
Maximum detection distance: maximum no 7m
Detection types: presence, protection
Radar field of view: 140° opening field and 40° elevation
Antenna angle adjustment: from -20° to +20° (without accessory)
Power supply: 12 - 30V DC +/-10% - 12-24V AC +/-10%
Output: 2 electronic relays (galvanic isolation - no polarity)
 > **Maximum switching voltage:** 35 V DC/ 24 V AC
 > **Maximum current switchable:** 80 mA (resistive)

Power consumption: < 3 W
Led: 3 RGB LEDs and 1 white LED for Bluetooth®
Bluetooth®: operating bandwidth: 2402 MHz - 2480 MHz
Material/ Colour: PC/ ASA/ Aluminium ADC12 - black
Cable length: 3 m (standard)
Dimensions: 50 mm x 150 mm x 68 mm
Protection degree: IP65 (IEC/EN 60529)
Operating temperature: -25°C to +55°C** ; 0-95% relative humidity, non-condensing
Standards: EN 12453 (type D)

APPLICATIONS



Access Control



Parking



Pedestrian barriers

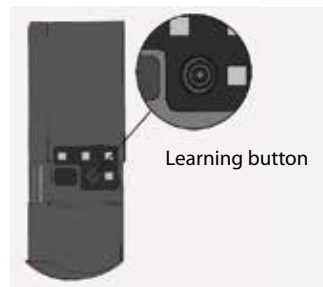
INSTALLAZIONE TRAMITE APP

Scan the QR code or open the following link to download the application for mobile devices and install it.

<https://is.gd/2Wv8ss>

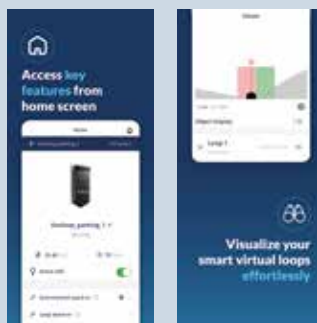


After installation, it will be possible to make the association between the smartphone and the Evoloop detector



Learning button

Start a simple self-learning process with the mobile application and set up to 3 virtual loops independently to adapt them to your application requirements.



APE - 790 / 5082



EVOLOOP
3-channel detector + standard polycarbonate cover

Accessories

APE - 790 / 5101



metallic cover

APE - 790 / 5102



metal mounting bracket

APE - 790 / 5103



protection box

APE - 790 / 5104



metal mounting bracket + protection box