

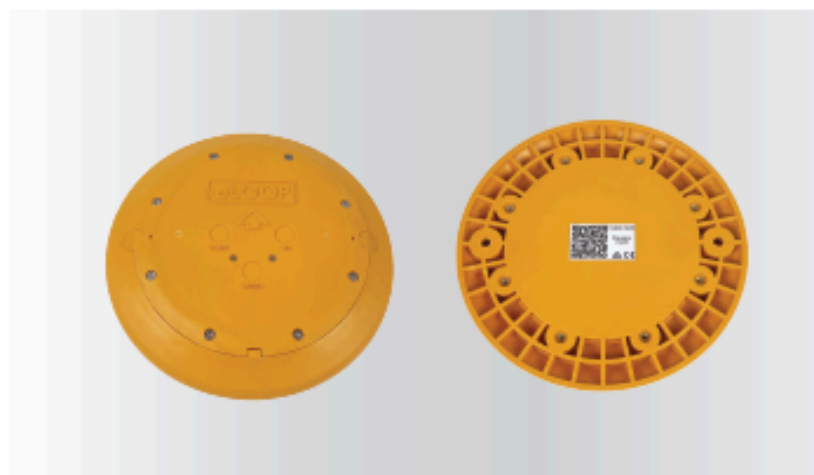
Commercial e-Loop EL00C-RAD

microtech
DESIGNS

Microtech Designs Commercial e-loop

The Microtech Designs Commercial Wireless Vehicle Detection System uses magnetometer sensors to detect the presence of oncoming vehicles. These detections are transmitted to a nearby Microtech transceiver for gate activation. After the vehicle is detected, the e-loop will switch to radar mode. The sensors are installed on the surface of entry or exit passages using dynabolts, contain four replacable Lthium batteries, and can withstand almost any vehicle.

Note: Gate or door controller must have a dedicated open input and autoclose function enabled.



Functions / Features

Lower power consumption

3-axis magnetometer for vehicle detection

- 8 Hz sampling rate
- Auto-calibration
- Exit/Entry detection mode

Fast and simple installation

- Quick non-permanent installation

Up to 4 year battery life

- Compact design
- Compatible with various gates

Reliable radio communications with trasceiver

- Reliable radio communication
- High security 128-Bit AES Encryption

Added Radar functionality

Microtech Radar® sensors can detect vehicles that are stopped above the e-loop. The added radar utilises two-way radio communication protocol for reliable operation. Once the magnetometer sensor detects an oncoming vehicle, the transceiver relay will be latched and confirmation will be sent back to the e-loop. If the magnetic field drops below the set threshold, the radar will check if a vehicle is present. If no vehicle is detected, an unlatch command is sent to the relay, and the transciever will send a confirmation to the e-loop. If the confirmation is missed, multiple attempts will be made to ensure safe operation. Radar settings can be adjusted using the e-diagnostics remote. Settings that can be changed include; Dead zone, sensor distance, sensitivity, magnetic field release level, confirmation mode.