Commercial Inground e-loop EXIT MODE

EL00IG

The Inground Wireless Vehicle Detection System uses magnetometer sensors to detect the presence and movement of vehicles. These detections are transmitted to a nearby transceiver for gate activation. The sensors are installed in the ground of entry or exit passages using sikaflex, contain a replaceable LIthium battery, and can withstand almost any vehicle. 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

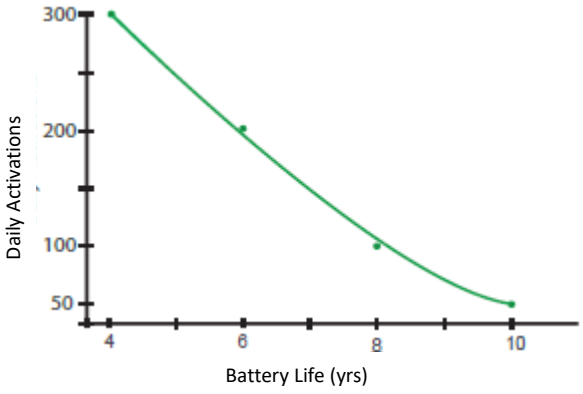
Up to 10 year battery life

- Compact design
- Compatible with various gates

Reliable radio communications with transceiver

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

Battery Life vs Daily Activations



Note: Battery life is dependent on many factors, including daily activations, time used per activation, radar range and external conditions.

E. sales@aesglobalus.com

T: +1 - 321 - 900 - 4599 **www.aesglobalus.com**

Radio Specifications

Frequency	433.39 MHz
Modulation	FSK
Bitrate	9.6 kbps
Bandwidth	250 kHz
Antenna Type	PCB
Nominal Output Power	10 dBm
Receive Sensitivity	-126.2 dBm
Security	128-Bit AES Encryption
Spurious Emissions	• 30 - 1000 MHz: < -56 dBm • 1 - 12.75 GHz: < -44 dBm • 1.8 - 1.9 GHz: < -56 dBm • 5.15 - 5.3 GHz: < -51 dBm

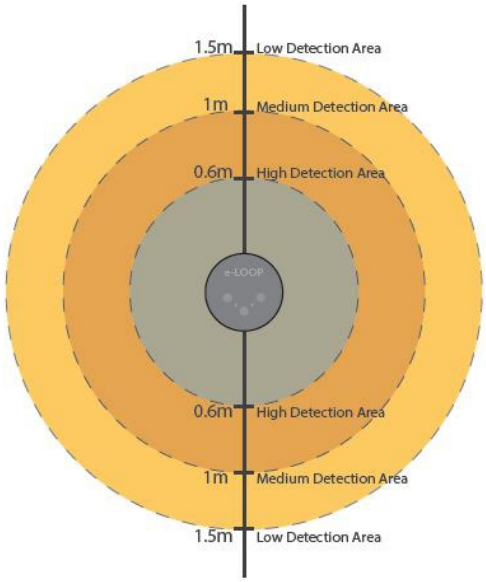
Compliance

Safety	Tested to CE Approval
EMC	FSKTested to: EN 301 489-1 V2.2.3 “Electro Magnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonised Standard for Electro Magnetic Compatibility” Including. a)_Emissions to EN 55032 “Electromagnetic compatibility of multimedia equipment”. b)_Transmitter and receiver test to EN 300 220-1 V3.1.1 ‘Short Range Devices (SRD) operating in the frequency range 25MHz. to 1000MHz; Part 1: Technical Characteristics and methods of measurement.” c)_Immunity Tests to EN 301 489-1

Power, Physical and Environment

Power	1 * 3.6 V 14500ma
Dimensions	3.4*3.4*2.1 inches
Weight	300g
Environment	• designed for inground (flush) mounting • IP68 ingress Protection
Operating Temp	-4°F to 176°F
Standby Power	14µA
Activation Power	50mA

Magnetometer Detection Areas



1.6 yards = Low Detection Area.
1 yard = Medium Detection Area.
0.6 yard= High Detection Area.

E. sales@aesglobalus.com

T: +1 - 321 - 900 - 4599 www.aesglobalus.com