



## EXIT MODE

**ELOOIG**



**CE**

### KIT CONTENTS

- 1 x e-Loop wireless in-ground module.
- 1 x single channel transceiver.
- 1 x magnet.

## Wireless Vehicle Detection System

### Installation in 3 simple steps

1. Code in the e-Loop.
2. Core bore 89mm hole 70mm deep and secure using flexible mastic.
3. Calibrate the e-Loop... and you're ready to operate in less than 30 minutes.

**Save many hours of installation time compared to wired loop systems.**

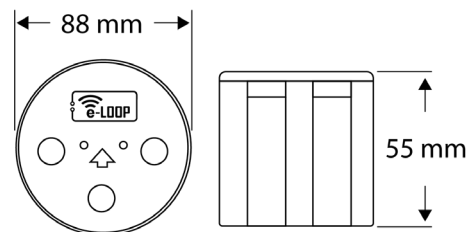
### FEATURES

- High security 128 bit encryption.
- Quick and easy installation.
- Recesses into the driveway.
- Not affected by ground movement.
- 14500 mA battery giving up to 10 years battery life.
- Top access for changing battery.
- Up to 50 metres range.
- IP68.

# 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

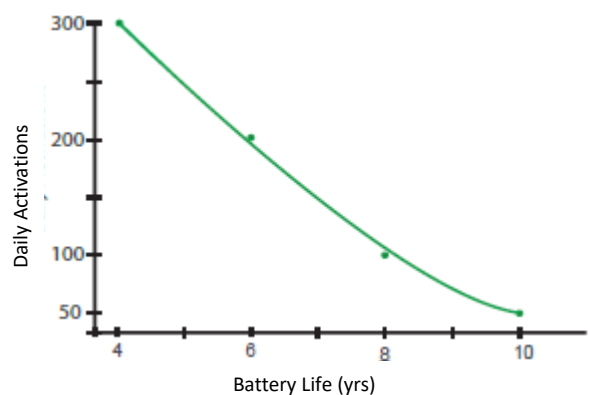
#### Up to 10 year battery life

- 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.**

## 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	<ul style="list-style-type: none"> <li>• 30 - 1000 MHz: &lt; -56 dBm</li> <li>• 1 - 12.75 GHz: &lt; -44 dBm</li> <li>• 1.8 - 1.9 GHz: &lt; -56 dBm</li> <li>• 5.15 - 5.3 GHz: &lt; -51 dBm</li> </ul>

## Compliance

Safety	Tested to CE Approval
EMC	<p>FSK Tested to:</p> <p>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.</p> <p>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.”</p> <p>c)_ Immunity Tests to EN 301 489-1</p>

## Power, Physical and Environment

Power	1 * 3.6 V 14500ma
Dimensions	88*88*55mm
Weight	300g
Environment	<ul style="list-style-type: none"> <li>• designed for inground (flush) mounting</li> <li>• IP68 ingress Protection</li> </ul>
Operating Temp	-40° to 80° C
Standby Power	14µA
Activation Power	50mA
Transmitting power	<10mW

## Detection Specifications

Activation Time	300ms
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Magnetometer Detection Areas

