



## Wireless Vehicle Detection System

### EXIT MODE – EL00M

The **e-Loop Mini** replaces traditional wired inductive loops, saving you time and money while increasing reliability.

**The e-LOOP Mini is for low-traffic single residential/domestic settings.**

FC



### FEATURES

- Quick and easy installation.
- Small compact design (4.7\*4.7\* 1.1 inches).
- Static load capacity 2.7 US Tonnes.
- Uses standard **1.5V AA Lithium batteries** (included). Providing up to 3-4 years of battery life depending on usage.
- High-security 128-bit encryption.
- Range up to 50 yards.
- IP68.

### KIT CONTENTS

- 1 x e-Loop Mini wireless detection module.
- 1 x 12–24VDC single channel transceiver.
- 2 x Concrete fixing bolts.

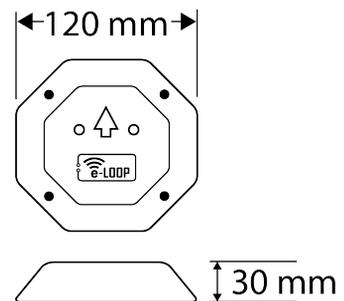
# Domestic e-loop mini

## ELOOM

The Domestic 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 on the surface of entry or exit passages using concrete fixing bolts, contain two replaceable AA batteries, and can withstand almost any vehicle.



Note: Gate or door controller must have a dedicated open input and auto close 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

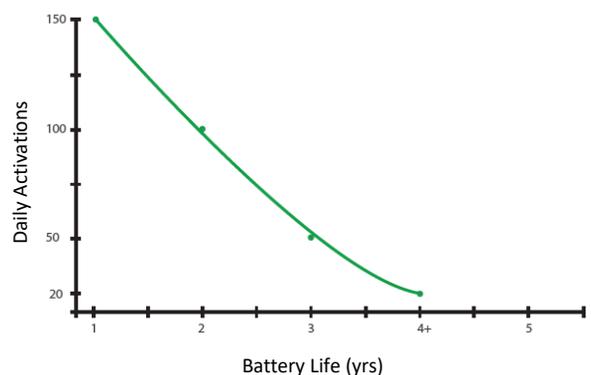
#### Up to 4 year battery life

- Compact design
- Compatible with various gates

#### Reliable radio communications with transceiver

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

### Battery Life



## 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>

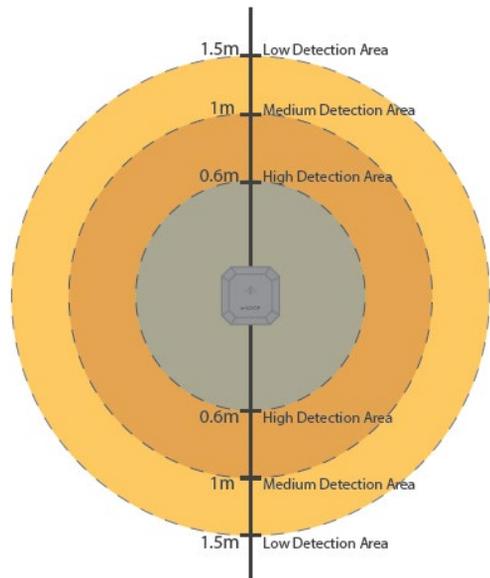
## Compliance

Safety	Tested to CE Approval
EMC	<p>FSK Tested to:  EN 301 489-1 V2.2. "ElectroMagnetic 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</p>

## Power, Physical and Environment

Power	4 * 3.6 V 2700ma
Dimensions	4.7*4.7* 1.1 inches
Weight	1.1 pounds
Environment	<ul style="list-style-type: none"> <li>• designed for above ground mounting</li> <li>• IP68 ingress protection</li> </ul>
Operating Temp	-40°F to 176°F
Standby Power	14μA
Activation Power	50mA
Transmitting power	<10mW

### Magnetometer Detection Areas



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