

# e-LOOP MINI DOMESTIC EXIT MODE EL100M



## WIRELESS VEHICLE DETECTION SYSTEM



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

Ideal for low-traffic single residential / domestic settings.



## FEATURES

- Quick and easy non-permanent installation
- Small compact design (120 x 120 x 30mm)
- Static load capacity 2.5 tonnes
- Uses standard 1.5V AA lithium batteries
- 3 - 4 year battery life for moderate usage
- Reliable radio communication with high-security 128-bit encryption
- Range up to 50m
- IP68 rated



## KIT CONTENTS

1 x e-Loop mini wireless detection module, 1 x 12 - 24VDC single channel transceiver, 2 x concrete fixing bolts.

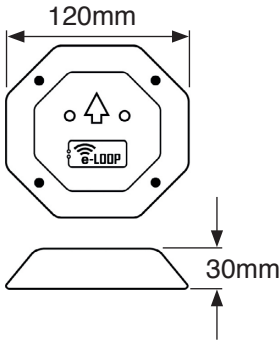
## DOMESTIC e-LOOP MINI

Domestic Wireless Vehicle Detection System uses magnetometer sensors to detect the presence and movement of vehicles.

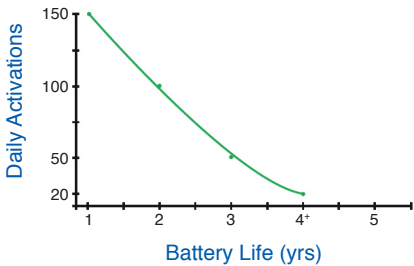
These detections are transmitted to a nearby transceiver for gate activation.

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.**



## BATTERY LIFE



## RADIO SPECIFICATIONS

Frequency	433.39 MHz
Modulation	FSK
Bitrate	9.6 kbps
Bandwidth	250 kHz
Antena 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

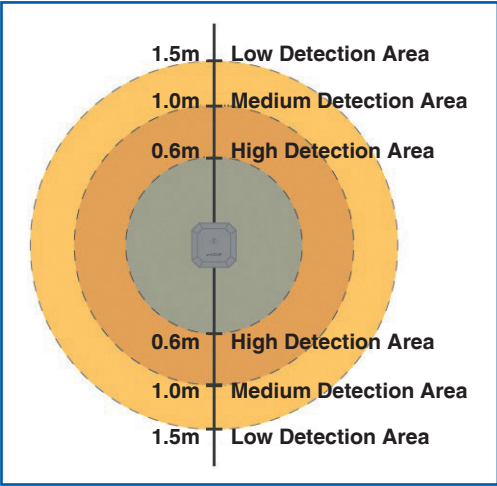
COMPLIANCE

Safety	Tested to CE Approval
EMC	FSKTested to: EN 301 489-1 V2.2. "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

POWER, PHYSICAL & ENVIRONMENT

Power	4 * 3.6 V 2700ma
Dimensions	120 x 120 x 30mm
Weight	500g
Environment	Designed for mounting above ground - IP68 ingress protection
Operating Temperature	-40° to 80° C
Standby Power	14µA
Activation Power	50mA
Transmitting Power	<10mW

MAGNETOMETER DETECTION AREAS



Whilst every effort has been made to ensure the accuracy of the information supplied. F.H.Brundle cannot be held responsible for any errors or omissions. This product must only be employed for its original intended use. Any other use is wrong and potentially dangerous. Installation must be carried out in full compliance with current regulations. F.H.Brundle cannot be held liable for any damages resulting from wrongful, erroneous or negligent use.