

Post Mount - EL00PM

The Post Mounted Wireless Vehicle Detection System uses military grade magnetometer sensors. With added radar confirmation, to detect the presence and movement of vehicles. Simply code the Post Mount to the included transceiver, calibrate and you're ready to go. Once the sensor has detected a vehicle, a signal is sent to a nearby transceiver. Capable of operating in all weather conditions.

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

Functions / Features

Lower power consumption

3-axis magnetometer for vehicle detection

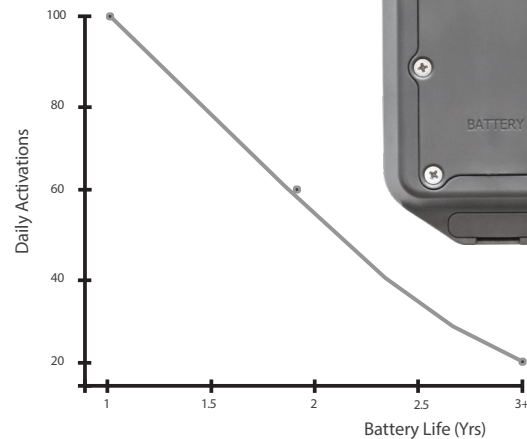
- 8 Hz sampling rate
- Auto-calibration
- Exit/Entry Mode Detection
- Presence Mode Detection

Fast and simple installation

- Quick non-permanent installation
- Unobtrusive install



Battery Life

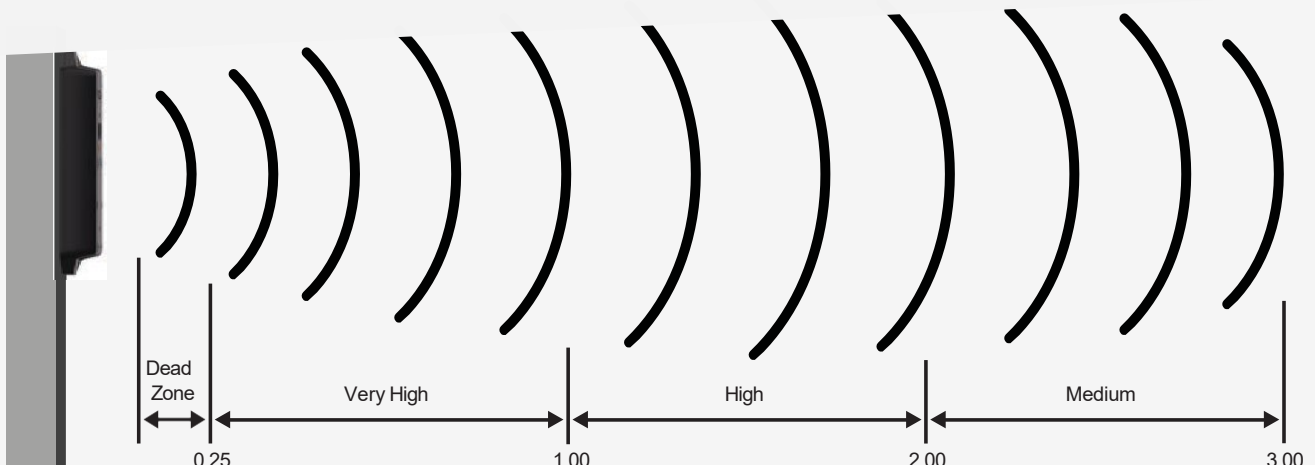


Up to 3 year battery life

- Ultra Compact design
- Compatible with various gates

Reliable radio communications with a transceiver

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

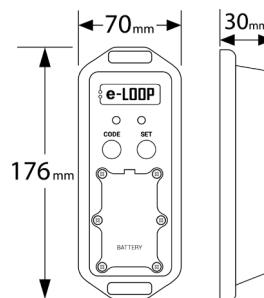


Radio Specifications

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"> 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	<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.</p> <p>a)_Emissions to EN 55032 "Electromagnetic compatibility of multimedia equipment".</p> <p>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	2 * 1.5 V 3000ma AA Lithium Batteries
Dimensions	176mm*70mm*30mm
Weight	200g
Environment	<ul style="list-style-type: none"> To be post-mounted 600mm from the ground IP68 ingress protection
Operating Temp	-40° to 80° C
Standby Power	14μA
Activation Power	35mA

Radar Read Distances

