

# 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

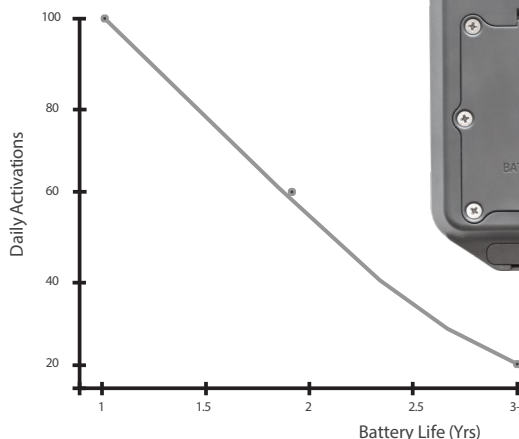
- 8 Hz sampling rate
- Auto-calibration
- Exit/Entry Mode Detection
- Presence Mode Detection

### Fast and simple installation

- Quick non-permanent installation
- Unobtrusive install



## Battery Life

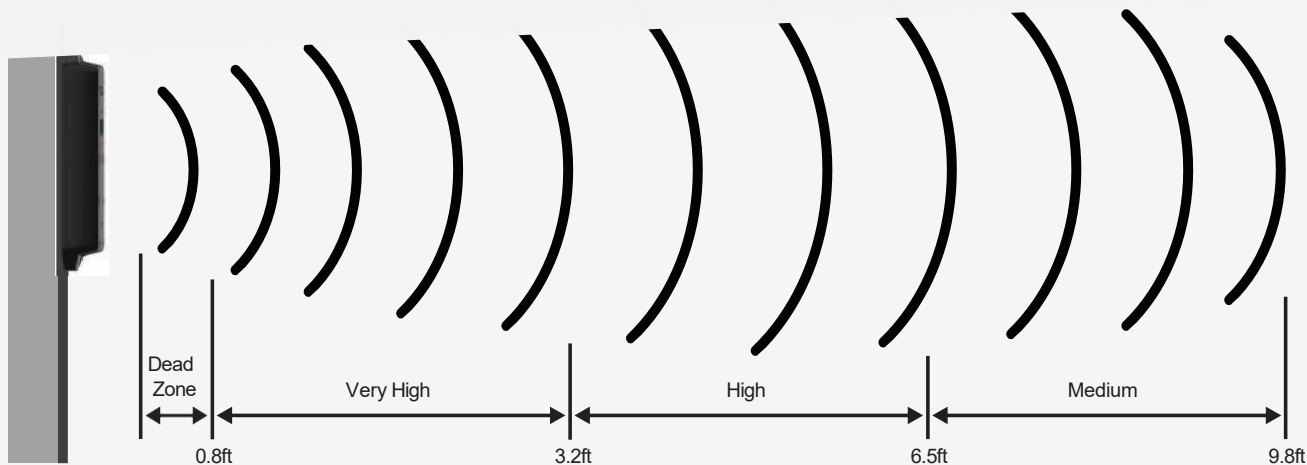


### Up to 3-year battery life

- Ultra Compact design
- Compatible with various gates

### Reliable radio communications with a transceiver

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

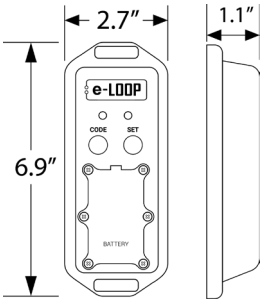


# Radio Specifications

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"><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.</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	6.9" * 2.7" * 1.1"
Weight	0.44 lbs
Environment	<ul style="list-style-type: none"><li>• To be post-mounted 23.6" from the ground</li><li>• IP68 ingress protection</li></ul>
Operating Temp	-40°F to 176°F
Standby Power	14µA
Activation Power	35mA

# Radar Read Distances

