

MODEL ID:
E L P M

VERSION 4



POST MOUNT

INSTRUCTION MANUAL



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FOR VIDEOS, TROUBLESHOOTING
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DOWNLOAD THE E-LOOP CONNECT
APP FOR ACCESS TO ADVANCED
SETTINGS & DIAGNOSTICS.
AVAILABLE ON **ANDROID** & **iPhone**

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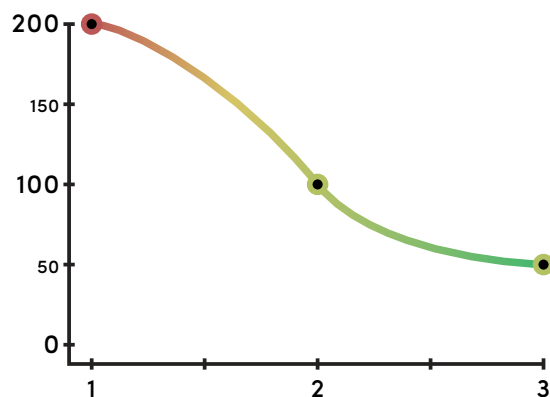


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Radio Specifications

Frequency	433.39MHz
Modulation	FSK
Bit Rate	100 kbps
Bandwidth	50 kHz
Antenna Type	PCB
Nominal Output Power	14 dBm
Receive Sensitivity	-126.2 kHz
Security	128Bit AES Encryption
Spurious Emissions	30 - 1000MHz: < -56 dBm 1 - 12.75GHz: < -44 dBm 1.8 - 1.9GHz: < -56 dBm 5.15 - 5.3GHz: < -51 dBm

Battery Life vs. Daily Activations

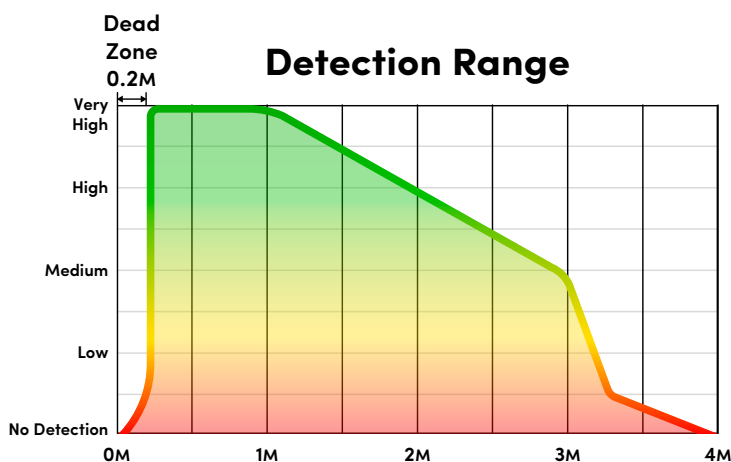


Note: Battery Life is dependent on many factors, including daily activations, time used per activation, radar range & external conditions

Power, Physical & Environment

Power	2 x 1.6V 3000ma
Dimensions	176 x 70x 30mm
Weight	200g
Environment	- To be post-mounted 600mm above ground - IP68 Ingress Protection
Operating Temp	-40° - 80° C
Standby Power	14µA
Activation Power	40µA

Detection Range

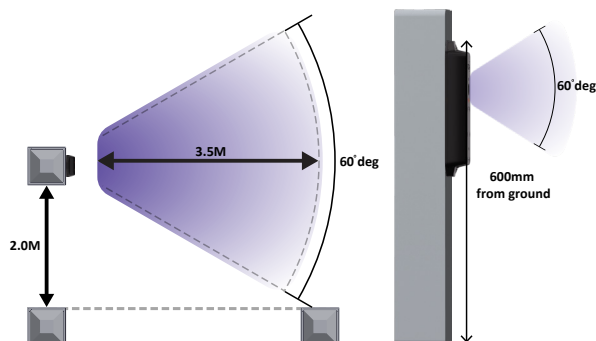


Compliance

Safety	Tested to CC Approval
EMC	Tested to: EN 301 489-1 V2.2.3 "ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonised Standard for ElectroMagnetic 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

e-LOOP Fitment/Setup Notes

1. NOTE: Ensure e-LOOP Sensor is fitted *Centrally* to the most



3. NOTE: The e-LOOP Light Industrial is capable of 3 operational modes.

EXIT MODE: Sends a single pulse trigger to receiver upon detection.

PRESENCE MODE: Pulses & Latches relay holding gate open whilst loop still detecting vehicle.

PARKING MODE: Same behaviour as Presence Mode, slower latch, slower release & lower power use.

2. NOTE: Do not mount e-LOOP sensor in close proximity to high voltage cables. E.g. Power Lines, electromagnetic interference may affect e-LOOP functionality.



4. NOTE: Once calibrated, the e-LOOP will require re-calibration when moved. Otherwise a 5 minute wait time is required for the sensor to automatically calibrate.



Step 1 – Mounting



1 Drill 2 holes approx. 163mm apart into your desired mounting location. With the Top hole approx. 600mm above ground level



2 Insert the appropriate fasteners through the top & bottom mounting holes into your mounting surface. Screw down for a firm fit.

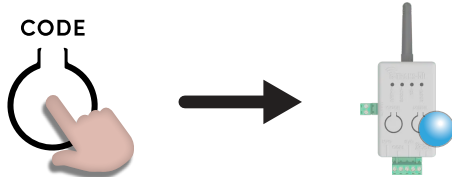


3 Press the screw covers gently into the mounting holes

Step 2 - Coding to e-TRANS

Option 1 | Short Range Coding

1. Hold the CODE Button until the Blue LED illuminates. Now Release the CODE Button.

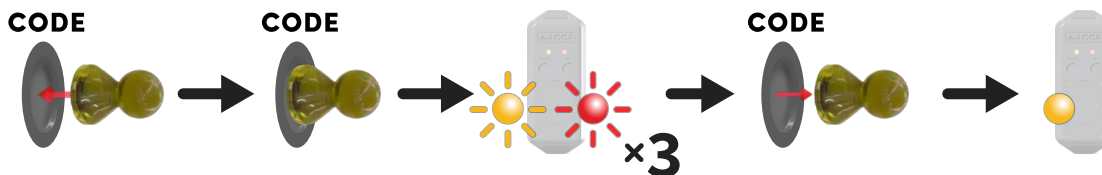


2. Hold the magnet in the CODE Recess. e-LOOP Yellow LED will flash & e-TRANS Blue LED will flash 3 times. Indicating a successful pairing.



Option 2 | Long Range Coding

1. Hold the Magnet in the CODE Recess of the e-LOOP. The Yellow LED will flash once & red LED will flash 3 times. Now remove the magnet. The Yellow LED will illuminate solid.

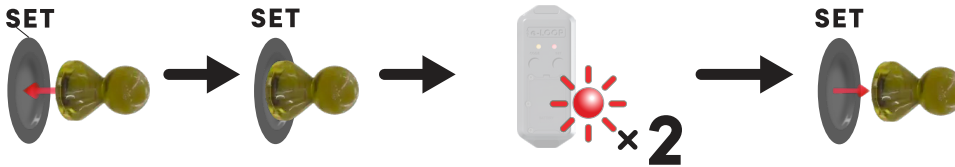


2. Go to e-TRANS 50, hold the CODE button until the e-TRANS Blue LED flashes 3 times and the e-LOOP Yellow LED flashes. Indicating a successful pairing. The LEDs will turn off returning back to normal operation



Step 3 - Calibration

1. Remove any metallic objects away from the e-LOOP sensor.
2. Hold Magnet in SET recess on e-LOOP, until the Red LED flashes twice. Then remove the magnet.



3. The e-LOOP will take about 5 seconds to calibrate, once complete the red LED will flash 3 times



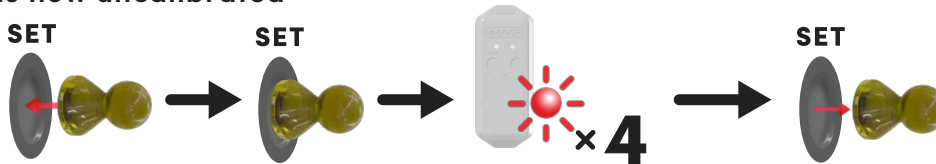
NOTE: After Calibration you may get an error indication.

ERROR 1: Low Radio Range - Yellow LED Flash 3 Times

ERROR 2: No Radio Connection - Yellow & Red LED Flash 3 Times.

Un-Calibration

Hold magnet in SET recess on e-LOOP, until red LED flashes 4 times. e-LOOP is now uncalibrated



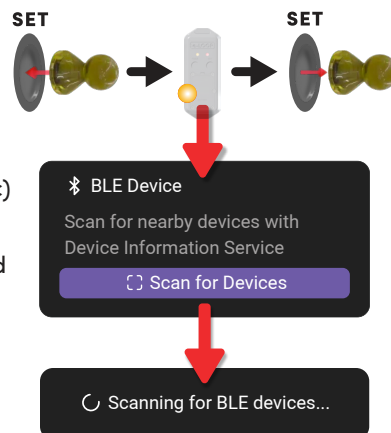
Connecting With e-CONNECT App

The e-LOOP Connect Mobile Application is available for both Android & iPhones. Download to access advanced settings & diagnostics.



Step 1.

- Open the e-LOOP Connect mobile application
- Allow all requested device permissions (bluetooth, wifi, etc)
- Tap the magnet on the CODE recess of the your e-LOOP. Yellow LED will illuminate solid
- Press "Scan for Devices"
- Allow the application a moment to scan for devices

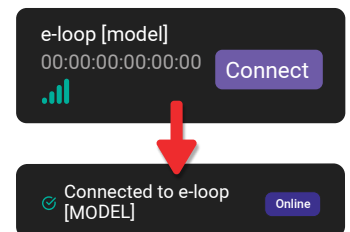


Step 2.

Once e-LOOP is located, details will be shown. Tap "Connect" on the corresponding e-LOOP tab.

Once a successful connection has been established you will be shown a summary of the unit.

You are now ready to make your desired changes.

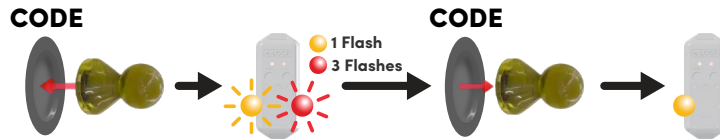


Changing Mode

NOTE: DO NOT USE PRESENCE MODE AS A PERSONAL SAFETY FUNCTION, IT IS DESIGNED FOR OPERATION ONLY FOR USE WITH VEHICLES NOT PEDESTRIANS.

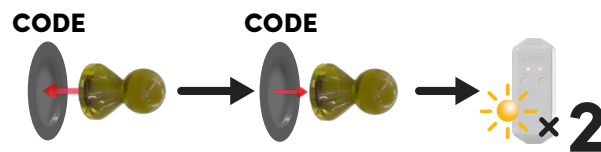
1. ENTERING MENU

Place the magnet on the **CODE** recess of the e-LOOP, the yellow Code LED will flash once and the red Set LED will flash 3 times. Now remove magnet and the yellow Code LED will come on solid. By default the loop will be set to **Presence Mode**



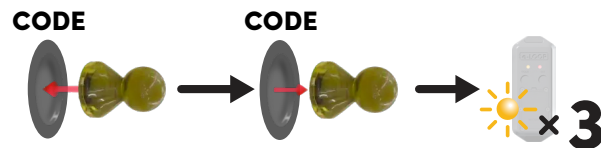
2. PRESENCE MODE

Tap the magnet on the **SET** recess to check current mode of e-LOOP. 2 Yellow Flashes indicates Presence Mode.



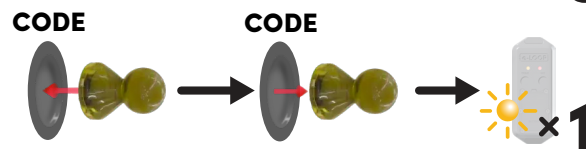
3. PARKING MODE

Tap the magnet on the **SET** recess to check current mode of e-LOOP. 3 Yellow Flashes indicates Presence Mode.



4. EXIT MODE

Tap the magnet on the **SET** recess to check current mode of e-LOOP. 1 Yellow Flashes indicates Presence Mode.



Changing Mode With e-CONNECT App

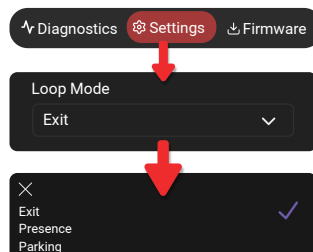
Step 1

Scroll down to the Loop Settings menu.

Select the dropdown menu within the Loop Settings section.

Change to mode of choice: Exit, Presence (Default) or Parking.

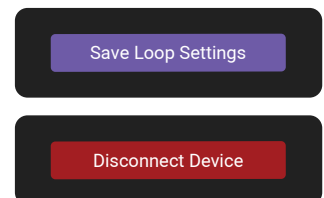
Once selected, press the X to close the dropdown menu.



Step 2

Once you have selected the operational mode of your choice, press "Save Loop Settings"

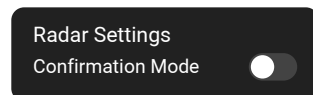
After successfully saving, press "Disconnect Device" to return loop to regular operation.



Confirmation Mode

To turn on Confirmation Mode, Scroll down to the Radar Settings menu.

Tap the switch next to the "Confirmation Mode" label to toggle On/Off.



Resetting e-LOOP to Factory Defaults

To reset the e-LOOP to factory defaults, Hold the Magnet on the **CODE** recess for 10 seconds until the Yellow LED flashes 3 times.

