MODEL ID:
ELOOW

VERSION 4

e-LOOP

WIRED

INSTRUCTION MANUAL

VISIT OUR WEBSITE AT
HTTPS://ELOO.PS
FOR VIDEOS, TROUBLESHOOTING
& MORE DOCUMENTATION

DOWNLOAD THE E-LOOP CONNECT APP FOR ACCESS TO ADVANCED SETTINGS & DIAGNOSTICS.
AVAILABLE ON **ANDROID** & **iPHONE**

TABLE OF CONTENTS

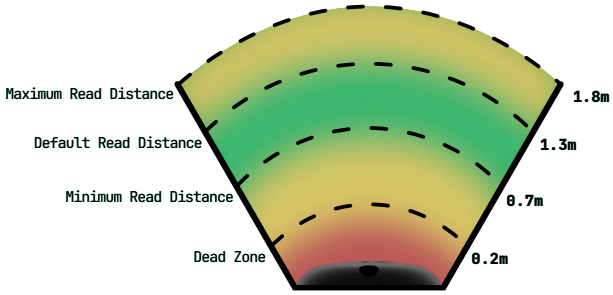
Power, Physical & Environment

Power	12-24v AC/DC
Dimensions (Shroud)	125 x 125 x 23mm
Dimensions (No Shroud)	69 x 69 x 23mm
Weight	170g
Environment	• Designed for In-Ground mounting • **IP68** Ingress Protection
Operating Temp	-30° - 80° C
Power Draw (Relay Active)	10mA
Power Draw (Relay	4mA

Compliance

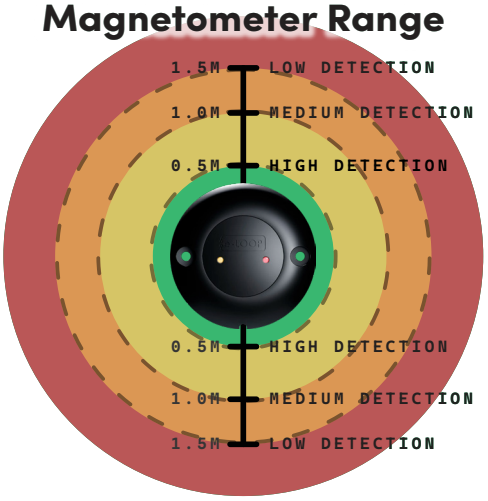
Safety	Tested to CC
EMC	Tested to: EN 301 489-1 V2.2.3 "ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonised Standard for ElectroMagnetic Compatibility" Including a)_Emissions to EN 55032 "Electromagnetic compatibility of multimedia equipment". b)_Transmitter and

Radar Read Distance



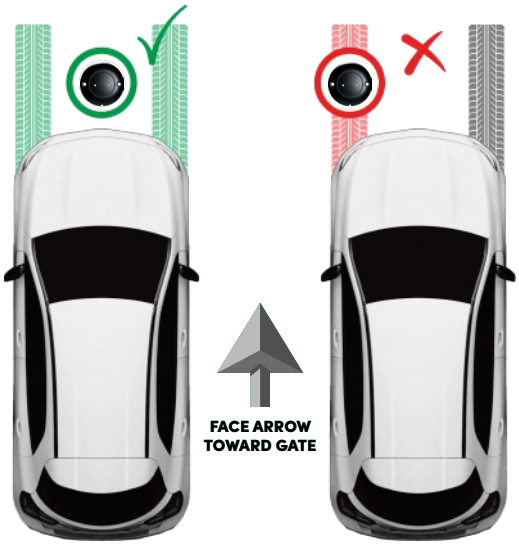
Radar detection range. Spanning from a 60° FOV from the e-LOOP, these are range zones. The Minimum Read Distance is 0.2m. The Default Read Distance is 1.8 & the Maximum Read Distance spans up to 2m.

Magnetometer Range



e-LOOP Fitment/Setup Notes

1. NOTE: Ensure e-LOOP Sensor is fitted *Centrally* to the most frequently driven path. Avoiding Unnecessary drive-overs



2. NOTE: Always affix e-LOOP sensor to a *Clean, Flat, Level* surface.

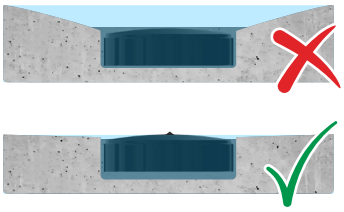


Fig. 1 When mounted in a flood area, radar functionality will only work if arrow on e-LOOP is above water level

Fig. 2 Ensure you mount *flush* with surface to avoid unwanted damage.

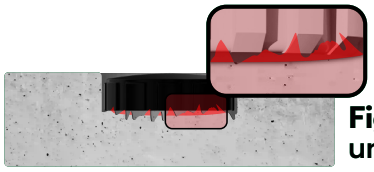


Fig. 3 Do not mount on uneven, jagged surfaces.

3. 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: The e-LOOP In-Ground is capable of 3 operational modes.

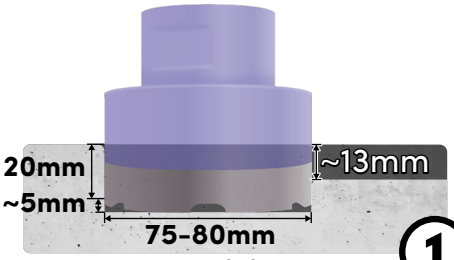
EXIT MODE: Sends a single pulse trigger to receiver upon detection.

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.

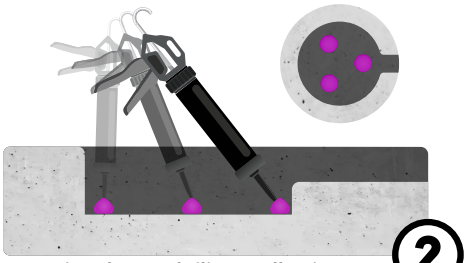
Step 1 - Mounting

Option 1 | In-Ground Mounting



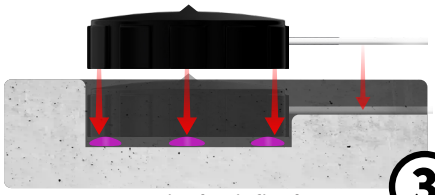
1

Core Bore a 75mm< hole, 25mm< deep. Clean the lower surface of any debris or rough edges, ensure surface is level. Trench ~15mm deep channel for included cabling.



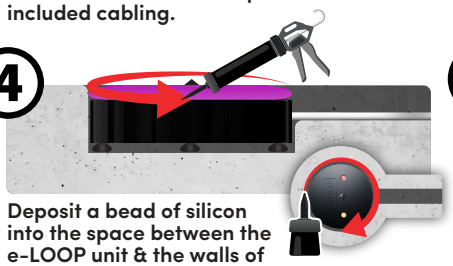
2

Deposit 3 drops of silicon adhesive approx. 10mm diameter in a triangular pattern at the base of the hole.



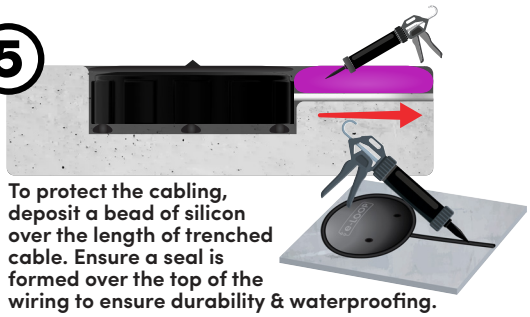
3

Press e-LOOP Wired unit firmly & evenly into the hole, ensure unit is clocked so cable sits centrally in the channel excavated previously.



4

Deposit a bead of silicon into the space between the e-LOOP unit & the walls of the mounting hole. Fill only the top, leaving room for expansion & ground movement. Wipe any excess silicon from the top of the unit.



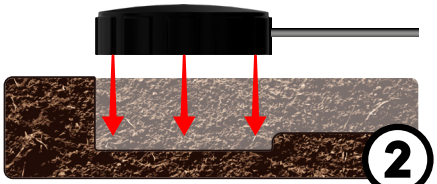
5

To protect the cabling, deposit a bead of silicon over the length of trenched cable. Ensure a seal is formed over the top of the wiring to ensure durability & waterproofing.

Option 2 | Concealed/Buried Mounting

1

Excavate a hole 75mm< in diameter 50mm deep, run a channel 40mm deep for you calbing.



2

Place e-LOOP Unit into the hole, secure at the bottom & route wiring in the channel.

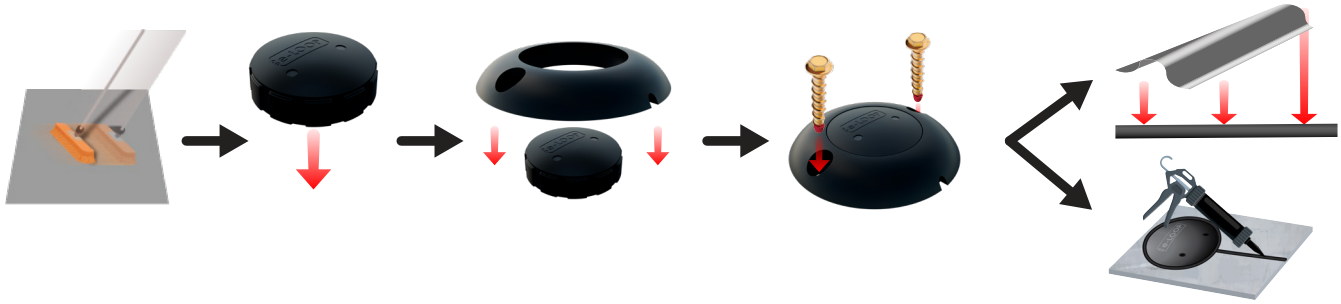
3

Fill in above the unit & wiring, using resin, dirt, cement or asphalt.

NOTE: Buried e-LOOPs will lose Radar functionality, relying solely on Magnetic Field sensing

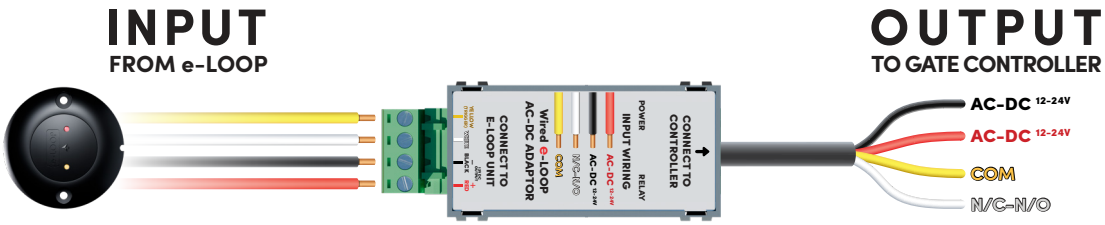
Option 3 | Above-Ground Mounting

Clean desired mounting location of any dirt or debris. Place e-LOOP wired unit on ground in desired mounting location. Place plastic shroud over the top of the unit, ensure shroud is clocked correctly for cable outlet. Using an impact driver secure the e-LOOP with the included fasteners. Ensure the e-LOOP is firmly secured & cannot be moved. Install durable cable shroud according to manufacturer instructions or excavate a channel for cable, then cover with durable silicon.



Step 2 - Wiring

The e-LOOP Wired, comes with a length of colour coded 4 core cabling. Wire this into the included AC-DC Adaptor using the terminal block. The output is pre-wired for easy connection to your gate controller & can be connected like a traditional induction loop.



Connecting With e-CONNECT App

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

Download on the App Store

GET IT ON Google Play

Step 1.

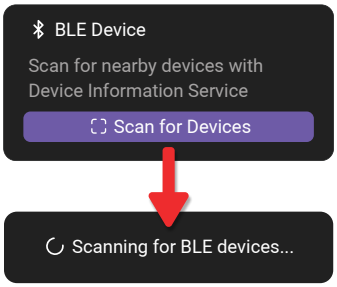
Open the e-LOOP Connect mobile application

Allow all requested device permissions (bluetooth, wifi, etc)

Connect power to wired e-LOOP this gives you 60 seconds to connect Yellow LED will Illuminnate solid

Press "Scan for Devices"

Allow the application a moment to scan for devices

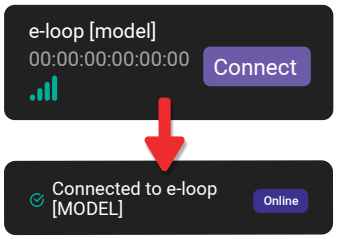


Step 2.

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 With e-CONNECT App

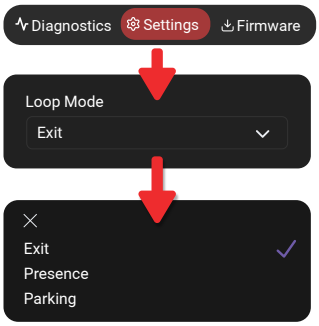
Step 1

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.

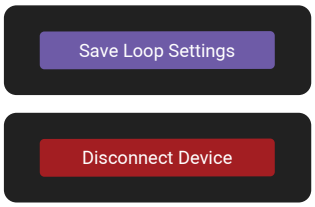
Once selected, press the X to close the dropdown menu.



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.