

MODEL ID:
ELMIC

VERSION 4

e-LOOP MICRO INSTRUCTION MANUAL



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FOR VIDEOS, TROUBLESHOOTING
& MORE DOCUMENTATION



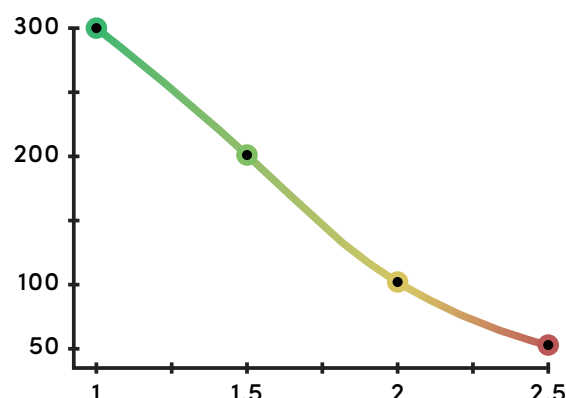
DOWNLOAD THE E-LOOP CONNECT
APP FOR ACCESS TO ADVANCED
SETTINGS & DIAGNOSTICS.
AVAILABLE ON **ANDROID** & **iPHONE**

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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	128 Bit 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

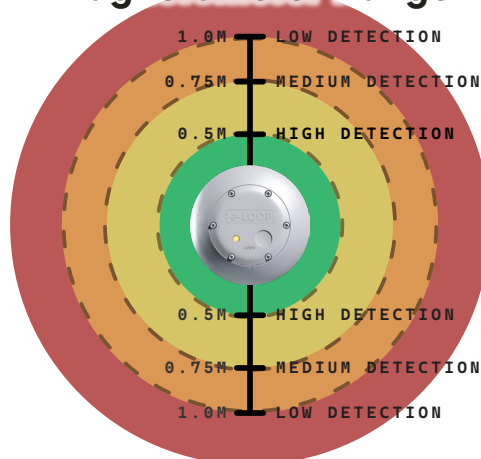


Note: Battery Life is dependant on many factors, including daily activations, time used per activation, radar range & external conditions

Power, Physical & Environment

Power	3V CR123A 1500ma
Dimensions	110 x 110 x 22mm
Weight	300g
Environment	- Designed for above ground mounting - IP68 Ingress Protection
Operating Temp	-40° - 80° C
Standby Power	14µA
Activation Power	40µA

Magnetometer Range

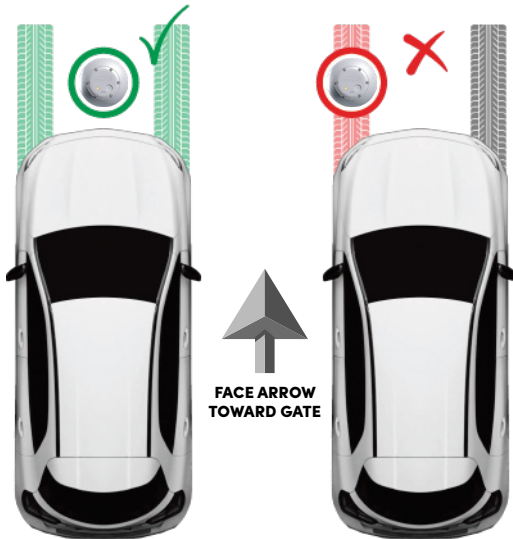


Compliance

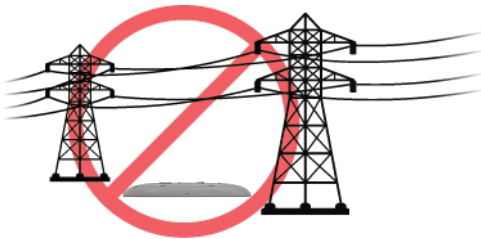
Safety	Tested to CC
EMC	Tested to: EN 301 489-1 V2.2.3 "ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonised Standard for ElectroMagnetic Compatibility" Including a) Emissions to EN 55032 "Electromagnetic compatibility of multimedia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

e-LOOP Fitment/Setup Notes

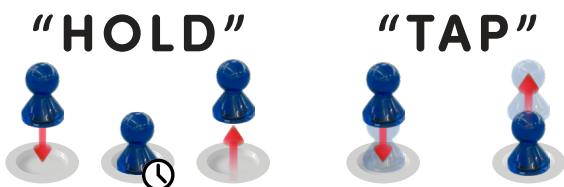
1. NOTE: Ensure e-LOOP Sensor is fitted *Centrally* to the most frequently driven path. Avoiding Unnecessary drive-overs



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.

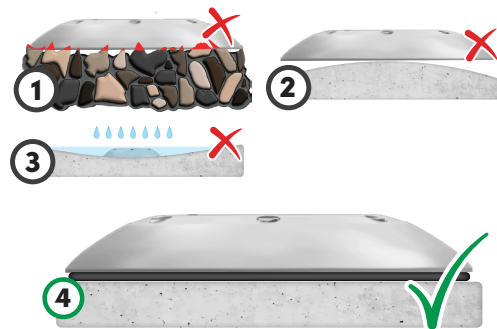


5. NOTE: When interacting with the e-LOOP magnetic buttons. Note the difference between "Hold" & "Press".

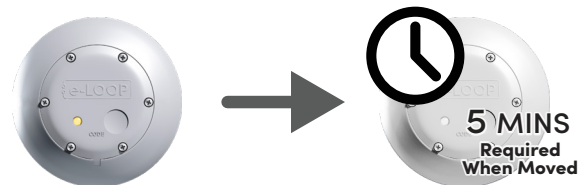


2. NOTE: Always affix e-LOOP sensor to a *Clean, Flat, Level* surface.

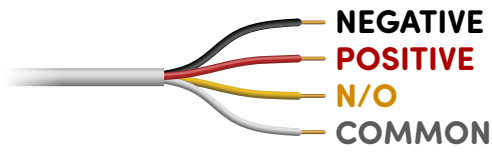
Fig. 1 Do not mount e-LOOP sensors to irregular terrain; rocks, debris or sharp terrain may pierce plastic casing under load.
Fig. 2 Do not mount e-LOOP sensors on uneven terrain. Improper mating surfaces may effect calibration or damage the e-LOOP.
Fig. 3 Do not mount e-LOOP sensors in flood areas without adequate drainage. Submerged sensors may inconsistent activations, effected calibration, water ingress & soiling.



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 - Wiring the e-TRANS

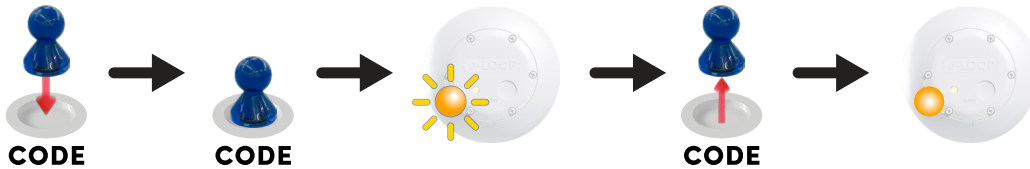


Connect the e-TRANS 20 wires to the corresponding terminals on your gate motor/control board. Ensure gate motor is set to auto close

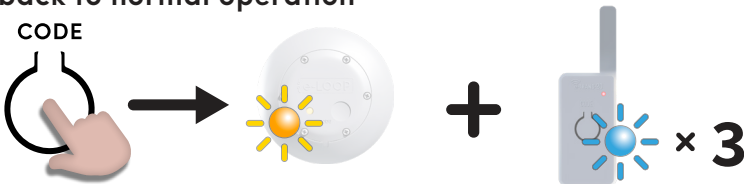
Step 2 - Coding to e-TRANS

Option 1. Long Range Coding

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

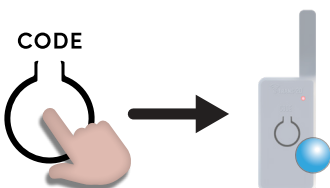


2. Go to e-TRANS 20, hold the CODE button until the e-TRANS Blue LED flashes 3 times and the e-LOOP Yellow LED flashes. Indicating a successful pairing. The LEDs will turn off returning back to normal operation

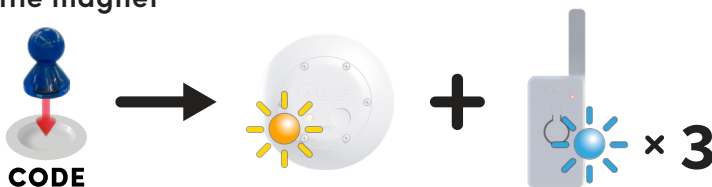


Option 2. Short Range Coding

1. Press & Release the CODE button on e-TRANS 20, the Blue LED will illuminate.

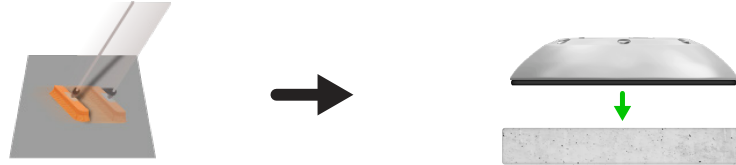


2. Place the magnet into the CODE Recess of the e-LOOP. The Yellow LED on the e-LOOP will flash & the e-TRANS 20 LED will flash 4 times. The systems are now paired, you can remove the magnet



Step 3 - Mounting

Clean desired mounting location of any dirt or debris. Peel away the adhesive from the back of the e-LOOP, press firmly & evenly on the ground in your desired mounting location. Allow ~2 minutes for the adhesive to set before.



Auto-Calibration

Once mounted, the e-LOOP will take 3 minutes to automatically calibrate to its environment. Please ensure all metal is free of the surrounding area do this time, do not drive vehicles over the e-LOOP during this time.

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.

