

e-LOOP Fitting Instructions



MICROTECH DESIGNS

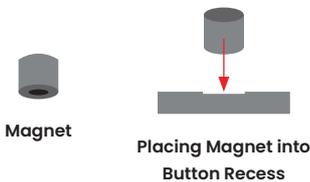
Post-Mount

Frequency	433.39 MHz
Security	128-bit AES encryption
Radio Range	Up to 50 Metres
Detection Range	Up to 3 Metres
Battery Life	Up to 3 Years
Battery Type	2 x AA Lithium Batteries 1.5v
Mounting Style	Post Mounted 600mm Above Ground

Step 1 - Coding e-LOOP

Coding e-LOOP with Magnet

1. Power up the e-Trans 50, then press and release the **CODE** button. The blue LED on the e-Trans 50 will light up.
2. Now place the magnet on the **CODE** recess on the e-Loop – the yellow LED will flash 3 times, and the blue LED on the e-Trans 50 will flash 3 times. The systems are now paired and you can remove the magnet.



Option 2. Long-range coding with a magnet (up to 25 metres)

1. Place the magnet on the **CODE** recess of the e-Loop, the yellow code LED will flash once now remove magnet and the LED come on solid, now walk over to the e-Trans 50 and press and release **CODE** the button, the yellow LED will flash and the blue LED on the e-Trans 50 will flash 3 times, after 15 seconds the e-Loop code LED will turn off.

Step 2- Fitting e-LOOP

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 3 - Calibrate e-LOOP

Move any metal objects away from the e-LOOP.

1. Place magnet into the **SET** button recess on the e-LOOP until red LED will flash twice, then remove magnet
2. The e-LOOP will take about 5 seconds to calibrate and once complete, the red LED will flash 3 times. System is now ready.

Calibration Errors

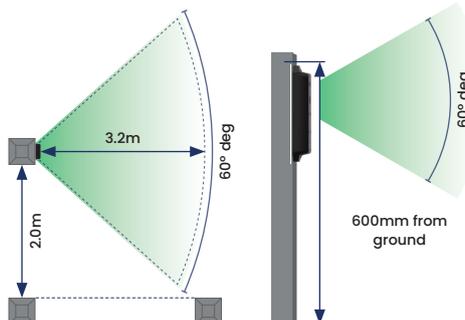
Error 1: During calibration you may get an error indication. Red & Yellow lights alternately flashing fast indicates that the radar is detecting something within the detection zone. Please move out of the detection zone & ensure there is nothing within 3.5m of the sensor. This range extends 60 degrees from the unit as per the diagram (below). You can now recalibrate the sensor.

Error 2: Yellow and Red LEDs alternately flashing slowly, indicates too much magnetic interference. You'll need to move the sensor to an area with less interference and recalibrate.

Errors After Calibration

Error 1: Low radio range - Yellow LED flashes 3 times.

Error 2: No radio connection - Yellow and Red LED flashes 3 times.



Not to Scale

Uncalibrate e-LOOP

1. Place magnet into the **SET** button recess & hold until red LED flashes 4 times, e-LOOP is now uncalibrated.

Changing Mode

The e-LOOP is set to exit mode as default. To change the mode from exit mode to presence mode on the e-LOOP, use the menu via the **e-TRANS-200** the **Diagnostics** remote or a magnet.

Changing Mode using Magnet

1. Place the magnet on the **CODE** recess of the e-Loop, the yellow **CODE** LED will flash once and the Red LED will flash 3 times now remove magnet and the yellow LED **CODE** will come on solid, now walk over to the e-Trans 50 and press and release the **CODE** button, the yellow LED will flash and the blue LED on the e-Trans 50 will flash 3 times, after 15 seconds the e-Loop code LED will turn off.
2. Now place the magnet on the **SET** recess, the red LED will flash 1 time indicating **EXIT MODE**
3. Place the magnet on the **SET** recess again, the LED will flash 2 times indicating **PRESENCE MODE**
4. Place the magnet on the **SET** recess again, the LED will flash 3 times indicating **PARKING MODE**
5. If you place the magnet on the **SET** recess again, the LED will flash 1 time indicating a return to **EXIT MODE**
6. Now place magnet on **CODE** recess to confirm the changes. The changes will be made, and the loop will go back to operational mode.

Resetting e-LOOP to Factory Defaults

Place and hold magnet on **CODE** recess until both LEDs flash twice. The unit is now reset to factory defaults. Note: this will also delete the transceiver from your loop, you will also need to delete the loop from the transceiver as well.

(Refer to deleting codes on e-Trans instructions)

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NOTE: Never fit near high voltage cables, this can affect the e-LOOP's detection capability.