microtech e-LOOP Wireless Vehicle Detection User Manual

Contents

microtech e-LOOP Wireless Vehicle Detection

Specifications

- **Frequency**: 433.39 MHz
- **Security**: 128-bit AES encryption
- **Range**: up to 50 metres
- **Battery life**: up to 10 years
- **Battery type**: Lithium ion 3.6V2700 mA x 4

e-LOOP Fitting Instructions

Step 1 – Coding e-LOOP

Option 1. Short range coding with magnet
Power up the e-Trans 50, then press and release the CODE button.
The blue LED on the e-Trans 50 will light up, now place the magnet on the CODE recess on the e-Loop, the yellow LED will flash, 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 magnet (up to 50 Meters)
Power up the e-Trans 50, then 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 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 .

Step 2 – Fitting e-LOOP

Place e-LOOP device in the desired location and secure into the ground using 2 Dyna bolts. Ensure the e-LOOP device is secured and can’t be moved when touched.
NOTE : Never fit near high voltage cables, this can affect the e-LOOP’s detection capability.

Step 3 – Calibrate e-LOOP

1. Move any metal objects away from the e-LOOP.
2. Place magnet into the SET button recess on the e-LOOP until red LED flashes twice, then remove the magnet.
3. The e-LOOP will take about 5 seconds to calibrate and 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 flashes 3 times.
ERROR2: Noradioconnection-YellowandRedLEDflashes3times.

System is now ready.

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

Changing Mode

The e-LOOP is set to exit mode for the EL00C, and set to presence mode for the EL00C-RAD as default. To change the mode from presence mode to exit mode on the EL00C-RAD e-LOOP, use the menu via the e-TRANS-200 or the Diagnostics remote.
NOTE: Do not use presence mode as a personal safety function.

Changing Mode using magnet (EL00C-RAD Only)

1. Place a magnet on the MODE recess until the yellow starts LED flashing indicating presence mode, to change to exit mode place the magnet on the SET recess, the red LED will start flashing, to change to parking mode place the magnet on the MODE recess, the Yellow LED will come on solid.
2. Wait 5 seconds until all LED's flash, we have now entered the confirmation menu, move to Step 3 or wait a

further 5 seconds until all LED's flash 3 times to exit menu.

3. Confirmation menu

   Once in the confirmation menu the red LED will be on solid meaning confirmation is not enabled, to enable place magnet on code recess, the yellow LED and red LED will be on, Confirmation is now enabled, wait 5 seconds and both LED's will flash 3 times indicating menu has now been exited.

FCC Warning Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

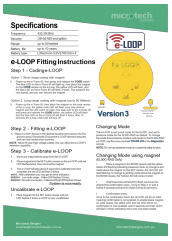
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

microtechdesigns.com.au

Microtech Designs enquiries@microtechdesigns.com.au

Documents / Resources

	microtech e-LOOP Wireless Vehicle Detection [pdf] User Manual EL00C, 2A8PC-EL00C, e-LOOP Wireless Vehicle Detection, e-LOOP, Wireless Vehicle Detection, Vehicle Detection, Detection

References

- Microtech Designs
- User Manual