e-LOOP Diagnostics Remote Reference

This document acts as a quick reference guide for the diagnostic's remote settings for the e-loop. It briefly describes what each menu item represents. For further detail, the diagnostics remote manual should be referenced.

Loop Settings

Op Mode
- e-loop operation mode (Exit, Presence, Parking).

Trip Value.
- Magnetometer measurement value that measurement must be greater than for a magnetometer detection.

X Axis
- Percentage that the x-axis (left to right) is used for a magnetometer measurement.

Y Axis
- Percentage that the y-axis (front to back) is used for a magnetometer measurement.

Z Axis
- Percentage that the z-axis (up and down) is used for a magnetometer measurement.

Mag Speed
- Whether the magnetometer uses an average of the last 10 measurements or a single measurement when determining a non-magnetometer detection.
- Using the average results in a slower detection release.

Low Battery
- The voltage trip level used to determine that the battery is getting low.

Diagnostics

The current e-loop state is shown on the diagnostics menu entry.
- Current detection status (whether a vehicle is detected or not).
- Radar mode status (Whether the system is currently in radar-only mode).

Reading
- The latest magnetometer measurement value.

Trip Value
- The magnetometer measurement level for detection.

Temperature
- The current temperature of the magnetometer in °C.

Ban
- How many e-loop readings the auto compensation is turned off for?

Reset
- Last known reset cause.

RSSI
- The radio signal strength between the diagnostics remote and the connected e-loop in dBm.

Calibrate

Calibrate or uncalibrate the e-loop without using the Magnet.

E. sales@aesglobalonline.com

T: +44 (0) 288 639 0 693

aesglobalonline.com

Device Test

The device test checks the sensors and peripherals to make sure that they are working correctly.

- Refer to the test mode reference card for more information on errors during this test.

RSSI Check

- Initiates a radio connection check between the e-loop and it's paired receiver.

Radar settings

Release Trip

- The magnetometer measurement level that magnetometer measurement must be below to unlatch the e-loop.

Start Len

- The distance in meters that the radar will start measuring from, anything before this distance is considered a detection dead zone.

Measure Len

- The distance in meters that the radar will measure from the radar start length.

Radar Trip

- Radar measurement level that a radar measurement must cross for a detection to occur.

Radar Confirm

- Sets whether the system requires the radar to confirm the magnetometer detection when a vehicle is being detected by the e-loop.

Radar Int

- How often in seconds the radar checks the detection of a vehicle is correct.

Advanced Radar

Wait Time

- How often the system checks the radar when in radar only mode.

Park Wait Time

- How long the system waits between a magnetometer detection, and confirming the detection with the radar when the e-loop is set to parking mode.

Radar Read

Reads the radar and reports whether the radar is detecting or not detecting.

Radar read true reports that a vehicle is detected.

Radar read false reports that no vehicle is detected.

Device info

Software build date
Date the software that is used in the connected e-loop was built.

Software version
The version number of the software in the connected e-loop.