

TECHNICAL SHEET

ZELT^{Evo} COMETH EDITION

The ZELT^{Evo} - the latest innovation in Eco-Counter's ZELT range - was developed to address the changing needs of our mobility landscape. The ZELT^{Evo} can count bicycles and scooters. The detection loops can be installed on any type of lane (dedicated or shared lane) and on any type of surface (soft soil, asphalt, etc.). Working in conjunction with the ComEth system, the ZELT^{Evo} sensor can be connected to your Traffic Data Management System.

- + Direction recognition
- + Multi-user classification
- + Count timestamps



Physical Characteristics

Dimensions	144 x 78.50mm (5.65" x 3.15")
Weight	400g (0.90 lbs.)
Connectors	+ 2 CAN bus connectors (male + female) + 2 M12, 8-pin connectors for loop connection through an adapter
Installation	Sensor fixed to a DIN mounting rail
IP Rating	IP 68
Detection Loops Size	+ Length: 80 - 150cm (31.5" - 60") + Width: 40cm (16")
Detection Loops Installation Depth	4cm (+/- 1cm) (1.5" (+/- 1/2"))
Distance btw. ZELT ^{Evo} and ComEth logger	Max. 150m (490')

General Characteristics

Technology	Electromagnetic loop
Power Supply	ZELT ^{Evo} sensor powered by the ComEth logger
Power Consumption	17mA at 12V / 204mW
Calibration	Autocalibration
Covered width	+ Without direction detection: 1 - 12m (40') + With direction detection : 1 - 6m (20')
Direction	Direction recognition possible from up to two detection loops
User Types	+ Bicycles + Scooters <i>The system can count and classify bicycles and scooters on ranges from up to 6 m (20') without direction detection and 3 m (10') with direction detection</i>
Configuration	On site or remote configuration through the ComEth logger

* See the "ComEth" technical sheet for more information

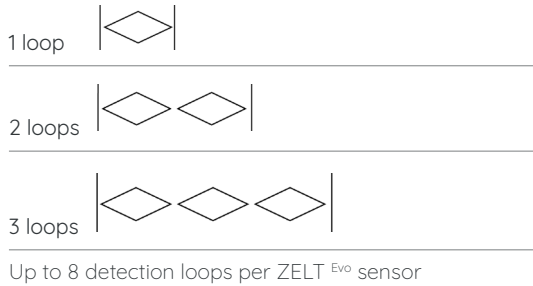


Preliminary technical sheet. Specifications subject to change without notice.

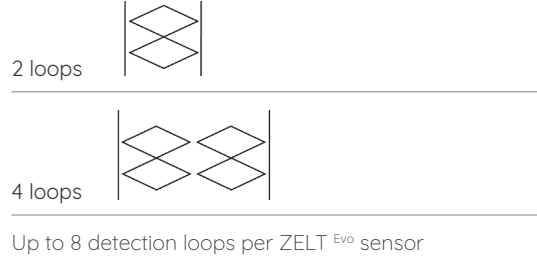
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Possible Configurations

Without Direction Recognition

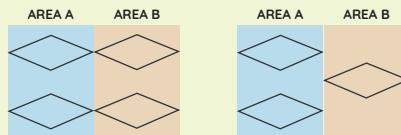


With Direction Recognition



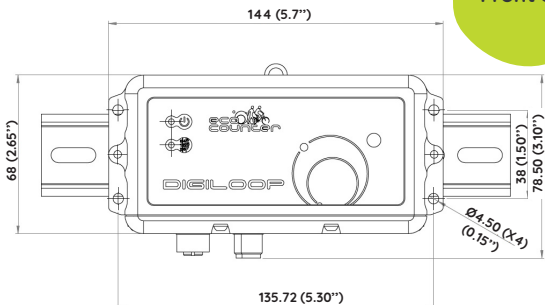
NOTE

With the ZELT^{Evo}, it is possible to collect data separately on different lanes of the same infrastructure. One loop wide per lane maximum. Example:

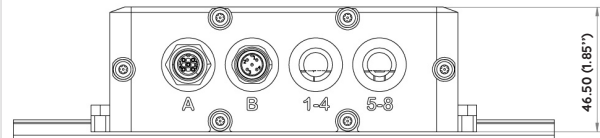


Dimensions

Front Side



Lower Side



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