



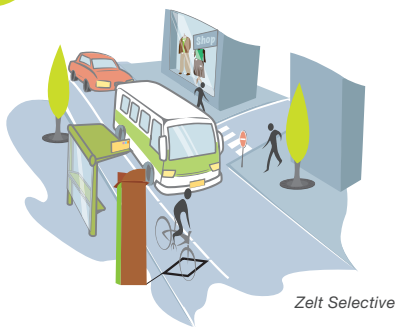
Eco-totem is a counting machine for cyclists. The display of the counter makes it visible to all, how many cyclists are passing on the spot.

The Eco-totem is an intelligent traffic management product designed to assist local authorities in planning: it shows number of cyclists per day and year, as well as date and time.

Applications

- Cycle paths development
- Signage and information
- Bicycle promotions
- Visible motivation

Associated Sensor : ZELT Inductive Loop



A specific inductive loop is inserted under the surface of the road. Each time a bicycle goes over the loop, the system detects the two wheels' electromagnetic signature and registers a count.

The loop is 1.5m (5ft) in length. More than one loop can be linked to the same logger.

If needed it is also possible to detect the direction of the bicycles.



Operation Monitoring

The system is self-monitoring, which means that error detection, display status and internal processes are identified.

The system can be configured to send daily e-mail(s) regarding the operational status to a defined user group

Optionally centralized monitoring via the Internet can be offered: by means of a web browser you can go in and check the status of your Eco-totem.

The monitoring system can be configured to send an e-mail when the communication to an Eco-totem fails.



Technical Specifications of Eco-totem

Cover :

Frame made of sea water proven aluminium

Powder coated

Display :

Big bright LED displays available in several colors.

Size of LED characters : 75 mm (2.95 in)

Magnified thanks to light reflection through the glass : it can be easily read from a car passing at a distance of 20 meters and at a speed of 30 km/h.

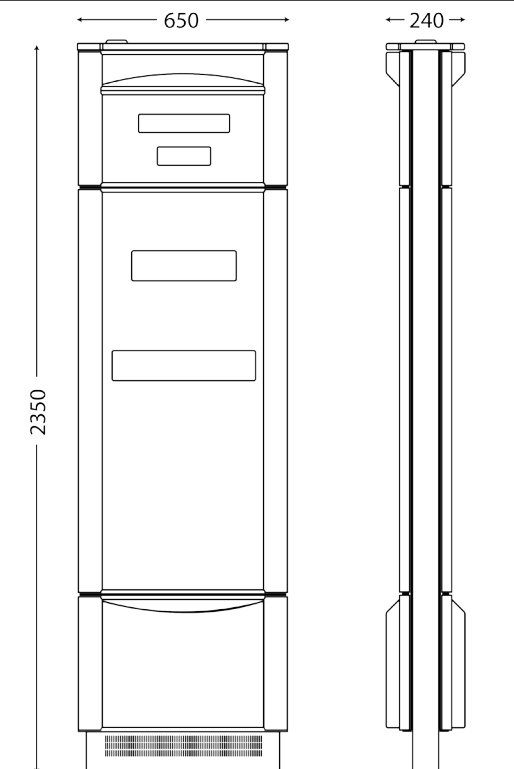
POWER supply : 230V/10A

All the design is protected behind a 3mm polycarbonate «glass» (vandalism resistant)

Dimensions:

Width : 650 mm Height : 2350 mm Depth : 240 mm

Weight : between 75 - 80 kg



Software

The central part of Eco-totem is a Generic Traffic Controller (GTC) with benefits of :

- Stable and reliable system running on Linux
- Proven platform and supply by using a standard Industrial PC
- Reliability using SSD (Solid State Disk)
- No need for installing special software, since access to all configuration, status and error information can be accessed with its own default browser.

Additional Functions

- It has remote control
- Features all the functions of an Eco-combo GSM
- Data can be seen and processed on the Eco-visio online platform
- Possibility to customize with local logo
- It can show different numbers on front and backside (if ZELT directional are there)
- It can be connected to Central Traffic Management like ZELT Relais.

Product Installation

Installing the Eco-totem is relatively quick and simple. There are two elements to the installation: mounting the unit (buried 1m deep) and installing the Zelt Inductive loop into the cycle path.

Order Information

Eco-totem version 1 103-100-1301	Single sided, 1 main display (2 lines) without top display
Eco-totem version 2 103-100-1302	Double sided, 2 main displays (2 lines) without top display
Eco-totem version 3 103-100-1303	Single sided, 1 main display (2 lines), incl. top display
Eco-totem version 4 103-100-1304	Double sided, 2 main displays (2 lines) incl. 2 top displays



Data can be displayed on one or both sides. If only one side is used, the other one can be used for other information (Web shop or a city map).