

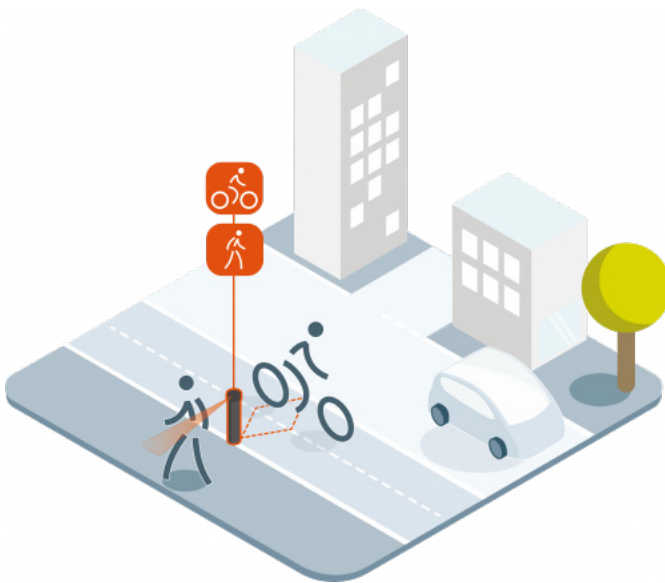
TECHNICAL SHEET

URBAN MULTI

The Urban MULTI is an all-inclusive counting system specifically designed to blend into the urban environment. The counter has the capacity of differentiating between cyclists and pedestrians on shared areas, or counting pedestrians on sidewalks and cyclists on high street. The complete system brings together different sensor technologies, each sensor being dedicated to a single user type. The different signals are analyzed by an intelligent system, which is able to prioritize choices in order to classify the different user types.

+ Counts and differentiates between pedestrians and cyclists

+ Battery powered



General Characteristics

Technology	+ PYRO Sensor: Passive Infrared Pyroelectric + ZELT Sensor: Electromagnetic Loop
Battery Life	+ 1 or 2 ZELT loops: 2 years + More than 2 ZELT loops: 1 year
Calibration	Autocalibration
Settings	Sensitivity can be set up with delivered Software
Direction	Direction recognition in option
Covered Width	Up to 6m (19.5')
Data Backup	60-minute or 15-minute data recording interval
Memory	> 20 Months
Configurations	+ Standard : Urban Post installed on the border of the path. + Specific : Urban Post centered in the middle of the path with detection on both sides.
Temperature Resistance	-40°C to + 50°C (-40°F to 120°F)

Physical Characteristics

+ Urban Post

Waterproofness	IP 66
Dimensions	+ h= 110cm (43"), internal Ø= 11.5cm (4.50"), external Ø= 12.5cm (5.00") + Base diameter= 25cm (9.50") / Cap diameter= 14.5cm (5.70")
Material	Aluminium and PVC
Color	Grey - RAL 7016 (others may be available upon request)
Anchor Base Dimensions	Ø= 25cm (9.50") / h= 33.5cm (13")
Anchor Base Material	Steel



Very discreet

TECHNICAL SHEET

URBAN MULTI

Physical Characteristics

+ PYRO Sensor

External Dimensions	98 x 40 x 18mm (4" x 1.6" x 0.7")
Cells Dimensions	Ø10mm (0.4") / Thickness: 0.7mm (0.03")
Cable Length	40cm (16")
Cells Material	+ Short- and medium-range PYRO Sensors: High-density Polyethylene (HDPE) + PYRO-Zoom option: Germanium
Sensor Body Material	Polyvinyl chloride
Connector	RJ45
Min. Sensitivity	1°C (2°F) from the ambient environment
Range	1m, 4m or 15m (3', 15' or 50')



PYRO Sensor

+ ZELT Sensor

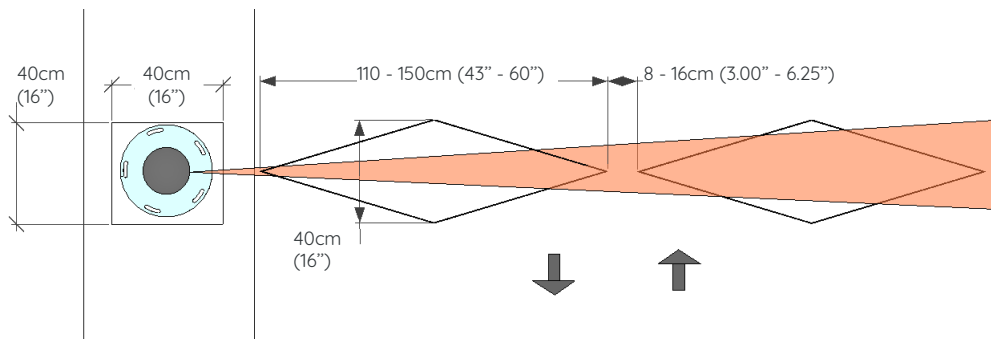
Power Supply	+ Counting systems including a manhole*: 7,2 V / 34 Ah + Counting systems without a manhole: 6 V / 45 Ah
Dimensions	+ Loop length: 110cm to 150cm (43" to 60") + Loop width: 40cm (16") + Spacing between two loops installed side by side: 8cm to 16cm (3.00" to 6.25")
Installation	+ Trenches Depth: 4 to 5cm (1.5" to 2") + Trenches Width: 2cm (0.5")

* Counting systems with more than two ZELT Loops are housed in a manhole.



ZELT Loop

Installation Example



AERIAL VIEW
URBAN MULTI WITH
TWO ZELT LOOPS



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