movyon electronics

Optical Curtain Divider 1.0

The Optical Curtain Dividerr 1.0 is an infrared vehicle divider.
It is able to identify passing vehicles with a high degree of accuracy.
It consists of two units: RX and TX.
The TX unit consists of the TX control logic and the LED transmitter support, complete with LED boards.
The RX unit consists of the RX control logic and the LED receiver support, complete with LED boards.
There is no need for a connection cable between the two units and therefore civil works.

TECHNICAL SPECIFICATIONS

- Maximum measurement height: 140 cm
- Distance between TX and RX: 3 to 5 m with the standard version, with the option of reaching 7.5 m
- Minimum measurable distance between 2 objects: 10 mm
- Minimum diameter of the measured object: 30 mm
- Vehicle identification accuracy: ~ 99.9%
- Maximum speed of the measured vehicle: 90 km/h
- Network interface: Ethernet 10/100 Mb/s
- Output signals (RX): 2x opto-isolated NPN open collector (triggered, degraded)
- Equipped with 6 optical receivers, also operational with 3 receivers degraded

DIMENSIONS AND SPECIFICATIONS

- Container dimensions: 150x15x16.7 cm (HxWxD)
- Weight: 20 kg (each unit)
- Basic plate size: 25x25 cm
- Power supply: 220 Vac +/- 10%
- Power consumption: 48 W (each unit)
- Operating temperature: -20/+60°C
- Storage temperature: -40/+80°C

APPLICATION FIELDS

It can be used where there is a need to:

- Identify moving objects and/or delimit areas in harsh environments
- Coordinate the movements of dividing/delimitation bars
- Place a post-classification system on highway toll collection lanes
- Have an alternative to the entry/exit photocell in car parks and/or interports

Optical Curtain Divider 1.0 is a product of the Movyon Electronics offer line created by Movyon Electronics Srl, a company subject to the direction and coordination of Movyon Spa.
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