

TMS-Hyperloop

The TMS-Hyperloop microwave radar is designed to capture traffic data and transmit these measurements by means of one or two relay contacts. The radar can transmit the following information :

- **Count of vehicles in two length classes (small vehicles on one relay, heavy vehicles on the other relay)**
- or
- **Count of vehicles in two speed classes (vehicles below speed threshold on one relay, vehicles in excess of speed threshold on the other relay)**
- or
- **Count of all vehicles in each direction (inwards on one relay, outwards on the other relay)**

Comfort

- Environmental insensitivity : dust, heat, intense cold, humidity, ... have no influence on the radar's performances.
- Cable connector at the rear
- No maintenance
- Delivered ready to install, i.e. including cable, fixing support, screws and bolts

Safety

- Aluminium IP68 housing
- Operating temperature from – 40 °C to + 75 °C

Settings (by means of DIP switch and potentiometer, without opening the radar)

- Sensitivity (size of detection zone)
- Limits of length classes
- Installation angle
- Movement direction (approaching or receding)
- Unit for speed measurement : mph or kmh

Icoms Detections S.A.
Avenue Albert Einstein 11/e
B-1348 Louvain-la-Neuve (Belgium)
Tel : +32 10 45 41 02 & Fax : + 32 10 45 04 61
E-mail : info@icomsdetections.com - Web : www.icomsdetections.com

(Specifications subject to change without prior notice)

Standards & approvals

- ISO9001/2000
- CE (electromagnetic compatibility and electrical safety) : the TMS radar complies with the essentials requirements of Article 3 and the other relevant provisions of the R&TTE Directive 1999/5/CE, when used for its intended purpose (Article 3.1.a : EN 60950 ; Article 3.1.b : EN 50082-2 ; Article 3.2 : EN 300 440-2)

Technical data

Range of detected speed	from 4 to 255 km/h
Accuracy	speed : 99 % counting : 98 % length : 90 %
Operating temperature	From -40 °C to +75 °C
Power supply	10-60 V DC
Power consumption	< 1 VA
Frequency	K-band : 24.1250 GHz
Transmission power	5 mW
Dimensions	70 x 100 x 248 mm
Weight	950 g, excl. cable and mounting support
Degree of protection	IP68
User output	Inverter relay contacts LED visible on front face



Issue rec :
V1.0 17-03-2014 : DC only

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