

TMB-13X - Radar for multi-lane intersection

The TMB-13X is a flexible and robust multi-lane microwave sensor for traffic signal regulation.

- Up to 9 detection areas (virtual loops), configurable in function, size and position
- Virtual loops activated on movement AND/OR presence detection
- Enriched data (speed, length, direction, position) via RS-485 connection

HOW DOES IT WORK ?

The user defines up to 9 virtual loops, all activated by vehicles, bicycles, scooters etc. Each detection area can be configured as presence areas: the "loops" are activated until the object leaves the zone.

WHY A RADAR ?

Above ground technology

- Safer for the traffic engineers, who can stay on the roadside for installation
- Less expensive: no road works and no traffic interruption needed for the installation

Operates under all weather conditions

Frost, snow, fog, etc. have no influence on the radar performance.

No maintenance

No lens to clean, no calibration.

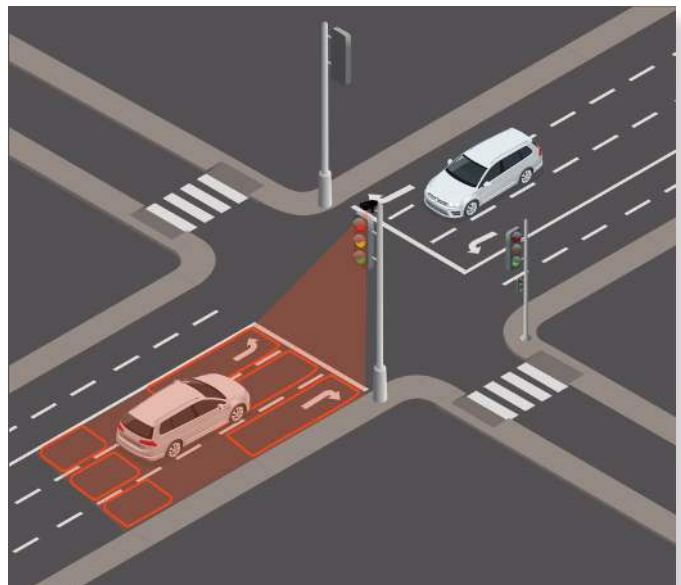
WHY AN ICOMS RADAR ?

Easy to use and install

- Detachable cable at the rear side
- Delivered ready to install, i.e. including cable, fixing support, screws and bolts.
- Settings for each virtual loop:
 - size and position
 - function

ADVANTAGES

- 1 single radar to replace up to 9 inductive loops
- Turn-right/turn-left detection
- Stop-line présence
- Settings through WiFi and browser based graphical interface



Field proven and reliable

Thousands of Icoms radars installed worldwide since 1993.

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TECHNICAL FEATURES

	TMB-13X LV	TMB-13X MV	TMB-13X HV
Recommended configuration	Min. 4 m from stop-line		
Number of detection zones	Up to 9 zones with optional relays board		
Detection direction	Approaching		
Detection range	Up to 120 m from the installation point		
Max. detected speed	120 km/h		
User input	WiFi with web graphical interface		
User outputs	3 internal relays - RS-485 - Optional 9 relays board		
Power supply	8-30 V AC 10-60 V DC	15-53 V AC 21-75 V DC	100-240 V AC 50-60 Hz
Consumption	< 6 W		
Environmental protection	IP65		
Dimensions (excl. bracket)	68 x 99 x 151 mm	68 x 99 x 234 mm	
Weight (excl. cable & bracket)	0.446 kg	0.605 kg	0.631 kg
Mounting system	Specific mounting system supplied, adapted for M8		
Frequency	W-Band: 76-77 Ghz		
Operating temperatures	From -40 °C to +60 °C		

OPTION/REFERENCES

- Option: 9 relay outputs board
- Order ref.:
 - TMB-13X LV : 10-60 V DC / 8-30 V AC, 50-60 Hz
 - TMB-13X MV : 21-75 V DC / 15-53 V AC, 50-60 Hz
 - TMB-13X HV : 100-240 V AC, 50-60 Hz
 - RELAY-BOARD-9C: 9 relay outputs board

SOON TO BE RELEASED

- Relay activation based on direction: approaching, receding or bidirectional
- Relay activation based on min./max. speed



STANDARDS



- Directive 2014/53/EC

Specifications subject to modification without prior notice.



QUARTERHILL

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