

TMA-296 Multifunction Sensor

The TMA-296 is a multifunction radar equipped with 2 relay outputs. It can detect vehicles at intersections, as well as activate speed warning devices.

Overspeeding + Adjustable Detection Range

- “Green bonus” intersections
- Call or extend a phase
- VMS activation
- Wrong-way detection
- Detection at a defined distance

Cost savings

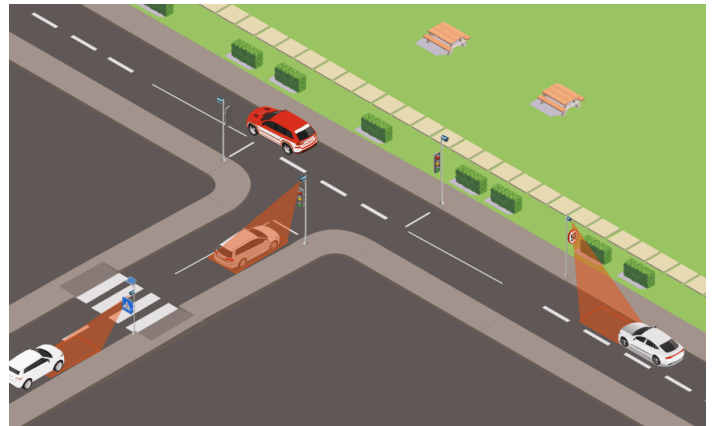
- No road construction costs
- Better security
- Reduced intervention

How does it work?

Each relay can be set with speed and distance conditions (min. and max. thresholds). When a speed within the chosen range is detected, the relay(s) is/are activated, until the movement stops or does not continue to fulfill the chosen conditions.

Advantages

- Shock-resistant
- Relay “over-” or “under-speeding”
- Relay “all vehicles”
- Adjustable distance of detection
- Setup without opening the radar



Operates under all weather conditions

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

No maintenance required

No lens to clean, no calibration.

TMA-296 Radar Technical Specifications

Why an Icoms radar?

Field proven and reliable

Thousands of Icoms radars installed worldwide since 1993.

User friendly

- Easy to install
- Detachable cable at the rear side
- Delivered ready to install, i.e. including cable, fixing support, screws and bolts
- Self-monitoring feature



CE
STANDARDS

- Directive 2014/53/EC
- FCC Part 15B class A (for LV version powered with 12 V)
- IC ICES-003 issue 6 (for LV version powered with 12 V)

TECHNICAL FEATURES

	TMA-296 L	TMA-296 M	TMA-296 H
Detection range	Adjustable - Average: 120 m - Max.: 150 m (400 - 500 ft)		
Detection speed	from 3 to 200 km/h (2 - 125 mph)		
Number of channels	2		
Frequency	K-band: 24,185 - 24,215 Ghz		
User output	RS-232 - 2 visible LEDs on front face - 2 relay contacts Resistive load: 30 V AC 0,3A - 60 V DC 0,3 A Option: 250 V AC - 30 V DA - 0.3 A		
Relay hold time	Adjustable		
User input	RS-232 - 2 rotary encoders		
Environmental protection	IP 65		
Temperature range	-40 °C to +60 °C (-40 °F to +140 °F)		
Power supply	10-30 V AC 12-60 V DC	15-54 V AC 21-75 V DC	100-240 V AC 50-60 Hz
Power consumption	< 1.2 W @ 12 V DC	< 1.2 W @ 24 V DC	< 2 W @ 220 V AC
Dimensions	68 x 99 x 119 mm 2.7 x 3.9 x 4.7 in	68 x 99 x 205 mm 2.7 x 3.9 x 8.1 in	68 x 99 x 212 mm 2.7 x 3.9 x 8.4 in
Weight (without cable and mounting support)	0.352 kg (0.78 lb)	0.510 kg (1.1 lb)	0.563 kg (1.4 lb)
Mounting system	Double-L (supplied), adapted for MB		

