

## TMA-60 vehicle sensor with adjustable detection range

The TMA-60 is a user-friendly, multi-function radar that detects moving vehicles of all types at a user-set speed and distance.

### How does it work?

The TMA-60 closes or opens a dry contact when it detects a vehicle travelling at a speed above the selected threshold and within the chosen detection range. This contact can control an automatic control system for traffic lights, light poles, and fixed or variable message light panels.

### Features

- Call a phase up to 150 m (500 ft)
- Extend a phase
- VMS activation
- Wrong way detection

### Cost savings

- No road construction costs
- Better security
- Reduced intervention

### 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

### Advantages

- Shock-resistant
- Detects up to 150 m (500 ft)
- Detects bicycles
- Adjustable detection distance



### 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-60 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-60 L	TMA-60 M	TMA-60 H
Detection range	Adjustable: 20, 40, 80 or 150 m (65, 130, 260, 500 ft)		
Detection speed	From threshold (4 or 10 km/h) to 200 km/h (3-6 to 125 mph)		
Number of channels	4		
Frequency	K-band: 24,185 - 24,215 Ghz		
User output	2 visible LEDs on front face - 1 relay contact Resistive load: 30 V AC 0,3A - 60 V DC 0,3 A Option: 250 V AC - 30 V DC - 0.3 A		
Relay hold time	1 sec.		
User input	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 205 mm 2.7 x 3.9 x 8.1 in
Weight (without cable and mounting support)	0.352 kg (0.78 lb)	0.510 kg (1.1 lb)	0.543 kg (1.2 lb)
Mounting system	Double-L (supplied), adapted for MB		

