



📶 The **TMA-122** is an “all-in-one” microwave sensor for traffic signal regulation.

- ✔ Virtual approaching inductive loop
- ✔ Virtual stop-line inductive loop
- ✔ **+ counting at the stop-line**
- ✔ Bicycle, motorcycle & vehicles movement detection
- ✔ Bicycle, motorcycle & vehicles presence detection



The assets +

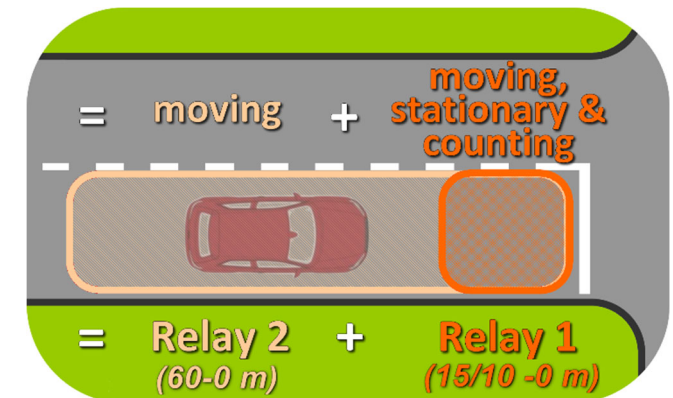
- ✔ 1 single radar to replace **2** inductive loops
- ✔ Settings without radar opening or software
- ✔ Self monitoring
- ✔ Counting at the stop line

What does it mean? Savings on:

- € Road digging & cuttings budget
- € Traffic engineer’s safety infrastructure budget
- € Traffic engineer’s team budget

How does it work? When a vehicle approaches and/or stops in the targeted area, a relay output can be activated until it leaves the zone.

1 vehicle = 1 relay activation



📶 **Why a radar?**

ABOVE GROUND TECHNOLOGY

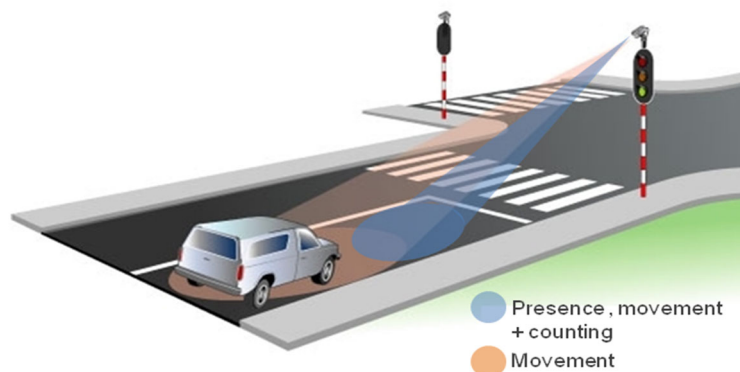
- Safer for the traffic engineers, who can stay on the roadside for installation
- Less expensive: no roadworks nor traffic interruption needed for the installation

IT 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?

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

STANDARDS



- Directive 2014/53/EC.
- FCC Part 15B Class A
- IC ICES-003 issue 6
- TOPAS 2505A

TECHNICAL FEATURES

TMA-122

Recommended installation configuration (for a medium sized car, installation height : 4.5 m)	Min. 1.5 m from stop-line Up to 2 m from roadside
Detection direction	Approaching
Detection range	Up to 60 m
Detected speeds	Up to 110 km/h
Dimensions	68x99x119 mm
Weight (without cable & mounting support)	0.350 kg
Environmental protection	IP65
Mounting system	Specific mounting system supplied, adapted for M8
Operating temperature	From -20°C to +60°C
Power supply	10-30 VAC/12-60 VDC
Consumption	< 1,2 W @ 12 VDC
Frequency	K-band - 24.165-24.235 Ghz
User input	2 rotary encoders
User output	2 visible LEDs on front face – 2 relay contacts

Log
V5.0 – CBA – 13/06/2018

Specifications subject to change without prior notice

