

# Pedestrians & cyclists detection

## TMA-011

### THE TMA-011 RADAR SENSOR ALLOWS, AMONG OTHER APPLICATIONS, TO EXTEND THE GREEN PHASE ON THE ON-CROSSING

- ✓ For Intersections
  - adaptative green for cyclists and pedestrians
  - green phase call on bicycle path
- ✓ Activation of lighting on motion detection
- ✓ Activation of signs warning motorists of the presence of cyclists or pedestrians in the vicinity

#### SAVINGS ON BUDGETS FOR

- Road digging
- Security
- Intervention

#### HOW DOES IT WORK?

When a pedestrian or a cyclist is detected, a relay output is activated until the movement stops.

### 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

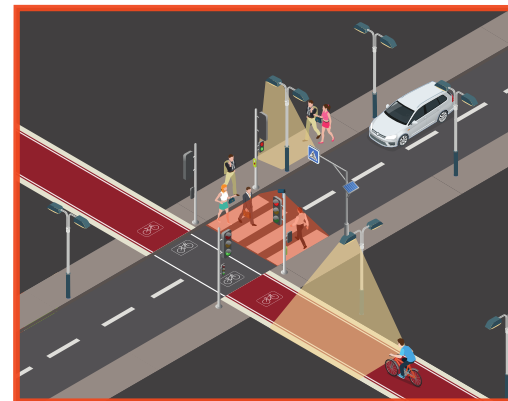
#### IT OPERATES UNDER ALL WEATHER CONDITIONS

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

#### NO MAINTENANCE

No lens to clean, no calibration.

### ADVANTAGES



- ✓ Settings without radar opening or software
- ✓ Self monitoring
- ✓ Bidirectional detection
- ✓ Long range up to 30 m
- ✓ Adjustable distance of detection

## 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

## TECHNICAL FEATURES

	TMA-011 LV	TMA-011 MV	TMA-011 HV
Detection range	Adjustable : 8, 12, 16 or 30 m		
Speed range	From 0.5 km/h to 100 km/h		
Detection direction	Uni- or bidirectional		
User output	2 visible LEDs on front face - 1 relay contact Hold time: 750 ms		
User input	2 rotary encoders		
Environmental protection	IP65		
Frequency	K-band: 24.165 - 24.235 GHz		
Operating temperature	From -40 °C to +60 °C		
Mounting system	Double-L (supplied), adapted for M8		
Consumption	< 1.2 W@12 V DC	< 1.2 W@24 V DC	< 2 W@220 V AC
Power supply	10-30 V AC 50-60 Hz 12-60 V DC	15-54 V AC 50-60 Hz 21-75 V DC	100-240 V AC 50-60 Hz
Dimensions	68 x 99 x 119 mm	68 x 99 x 168 mm	
Weight (without cable and mounting support)	0.350 kg	0.460 kg	0.485 kg

## OPTIONS

Power supply: LV (10-30 V AC/12-60 V DC),  
MV (15-54 V AC/21-75 V DC) or HV (100-240 V AC)



### 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)