

Multifunction sensor: overspeeding + adjustable detection range

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.

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

SAVINGS ON BUDGETS FOR

- Road digging
- Security
- 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 fulfill anymore the chosen conditions.



warnings



intersection

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



- ✓ Shock-resistant
- ✓ Relay "over-" or "under-speeding"
- ✓ Relay "all vehicles"
- ✓ Adjustable distance of detection
- ✓ Settings without radar opening



warnings



intersection

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-296 LV | TMA-296 MV | TMA-296 HV |
|---|--|--------------------------|--------------------------|
| Detection range | Adjustable - Average: 120 m - Trucks: up to 220 m | | |
| Detected speed | From 3 to 200 km/h | | |
| Detection direction | Approaching, receding or bidirectional | | |
| Number of channels | 4 | | |
| Frequency | K-band: 24.185 - 24.215 GHz | | |
| User output | 2 relay contacts (resistive load : 30 V AC 0.3 A – 60 V DC 0.3 A) RS-232 - 2 visible LEDs on front face | | |
| Relay hold time | Adjustable | | |
| User input | RS-232 | | |
| Environmental protection | IP 65 | | |
| Temperature range | -40 °C to +60 °C | | |
| Power supply | 10-30 V AC 12V-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 | 68 x 99 x 205 mm | 68 x 99 x 212 mm |
| Weight (excl. cable & mounting support) | 0,320 kg | 0,510 kg | 0,563 kg |
| Mounting system | Double-L (supplied), adapted for M8 | | |



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)