



# TM60

## TRAFFIC RADAR

### GENERAL FEATURES

TM 60 is a vehicle detector that works at ultra-high frequencies. The speed threshold can be set by the user between 1 and 16 Km/h.

### BENEFITS

- No sensitive to light, colour, humidity and dust
- Detection on a single traffic lane
- Reaction time less than 50 ms
- Positive safety relay
- No maintenance
- Range up to 60 m
- Reduced cost
- Reliability



## PARAMETERS PROGRAMMABLE BY THE USER

- Direction of detection
- Sensitivity (range of the radar)
- Speed threshold

## OPTIONS

- 110 VAC 50 Hz, 12-24 VD, 6-10 V
- Long range : 150 m
- LP: very low power consumption version (30 mA 6-10 V for solar power).

## APPLICATIONS

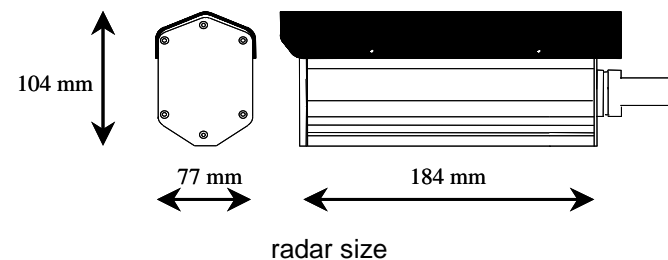
- The TM60 closes a contact when it detects a vehicle driving at a speed above the threshold chosen by the user. It replaces magnetic loops at low cost and is very easy to install.
- "Green wave" (sequenced sets of traffic lights)
- Controlling traffic lights: setting and/or extending the green phase

## SAFETY

- Operating temperature: from  $-40^{\circ}\text{C}$  to  $+75^{\circ}\text{C}$
- Protective cover against rain and heat
- Aesthetic: robust design against vandalism
- Protected against over-voltages
- Meets EMC standards
- Aluminium IP65 housing
- CE conformed
- Auto-test

## CONVENIENCE

- Rear IP66 connector
- Light, easy to install
- Easy to mount



## TECHNICAL FEATURES

- Range: up to 60 m (adjustable, extensible to 100 or 150 m as an option).
- Range of operational temperatures: from  $-40^{\circ}\text{C}$  to  $+75^{\circ}\text{C}$ .
- Range of speeds detected: from the chosen threshold to 160 km/h.
- Hold time of relay: 0.5 second.
- Power supply: 220 VAC  $\pm 10\%$  - 50Hz
- Frequency: K band (24.125 GHz).
- Transmission power: 5 mW.
- Dimensions: 70 x 100 x 216 mm.
- Lower speed threshold: from 1 to 16 km/h.
- Degree of protection: IP65.
- Consumption: 4 VA.
- Weight: 1050 g.
- User output:
  - Inverter relay contact
  - Resistive load: 110 VAC 0.5A - 24 VDC 1A
  - Inductive load: 110 VAC 0.2A - 24 VDC 0.3A
  - LED visible on back face



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