



COMPANY WITH  
QUALITY SYSTEM  
CERTIFIED BY DNV GL  
= ISO 9001 =

# TMT

## RADAR DETECTOR



*The TMT radar detects movements at ultra-high frequencies, at speeds up to 30 to 130 km/h, adjustable by the user.*

### STRENGTHS

- Designed, among other applications, for use as excessive speed panels.
- Not sensitive to light, colour, humidity or dust.
- Detection on a single traffic lane.
- Reaction time less than 50 ms
- Positive safety relay.
- No maintenance.
- Range up to 150 m.
- Reduced cost.
- Reliability.



## APPLICATIONS

- The TMT closes a contact when it detects a vehicle running at a speed above its speed threshold.
- "Green wave" (sequenced sets of traffic lights)
- Panels and lights indicate excessive speed

## PARAMETERS PROGRAMMABLE BY THE USER

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

## TECHNICAL CHARACTERISTICS

- Range: up to 150 m.
- Range of operational temperatures: from -40°C to +75°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 30 to 130 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

## SAFETY

- Operating temperature: -40°/+75° C.
- Protective cover against rain and heat.
- Aesthetic: hardly subject to vandalism.
- Protected against over-voltages.
- Meets EMC standards.
- Aluminium IP65 casing.
- Accepted by the EC.
- Auto-test.

## CONVENIENCE

- Rear IP66 connector.
- Light, easy to install.
- Easy mounting on brackets :
- M8 nut included

## OPTIONS

- 110 Vac 50Hz, 12-24 VD, 6-10V
- LP: low power consumption version (30mA 6-10V for solar panel)

