

## Radar Speed sign specification

### Introduction

**Radar speed sign for all purposes and it is very cost efficient.** It has two 12,5" red or amber digit LED lighting display board that shows speeds from 10-99 mph or 16-99 kph. The Radar unit can be solar powered with an optional charge controller (-S models). The radar display board is installed in a traffic gray hard PVC or aluminum case to stop glare and it will not rust at all. The LED radar display is rated for 100,000 hours. The radar unit can be mounted on a standard 2.5" (76mm) pole. By the use of a solar cell it can be operated without line power.

2 and half digit models that can display up to 199 are also available. See product numbering system for the proper selection. This specification is for the 2 digit models

### The Perfect Solution For

- School Zones
- Work Zones
- Dangerous Zones / High Accident Level Locations
- Limited Speed Zones / Neighborhoods
- Before Sharp Curves
- City Streets

### Display specifications

- Size: 640 x 750x100mm
- Display size: 320 mm height
- Speed range: 1-199 KPH (or 1-199 MPH)
- Speed accuracy:  $\pm 1$  KPH ( $\pm 2$  MPH)
- Radar unit: 24.125 GHz 5 mW (K-band)
- Measurement range: up to 50-150m (depending on the size and shape of vehicle)
- Temperature range: -20 to + 50 °C
- Supply input: 12 VDC, 100 - 240 VAC
- Weight: 12 kg
- Battery (optional): 12VDC 20 Ah
- House: Rugged aluminum case in black color
- Visibility: up to 200m
- Quick and easy installation
- Directional radar sensor
- Power supply: 1. temporary 100-240 VAC  
2. Street light (power is only at night)  
3. Solar power

### Solar Panel Technical Data

- Maximum power: 50 W/80W
- Maximum power voltage: 16,7 V
- Maximum power current: 3 A/5A
- Open circuit voltage: 21,5 V
- Open circuit current: 3,1 A
- Maximum system voltage: 750 V
- Dimensions: 670x650x36/670x930x36

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### Product variances

### Product model numbering system

#### LM-R-m-d-c-r-h-t-b-s

**m** can be **K** or **M** – by displayment mode (K is kph or M is mph)

**d** can be **2** or **3** – by number of digits (3 stands for 2 and half digits that allows displaying of speed up to 199 KPH or MPH)

**c** can be **R** or **A** or **G**– by LED color (Red or Amber or Green) It can be mixed

**r** can be **DS** – by DS is directional radar sensor (It means the speed sign is measuring the speed of coming cars only)

**h** can be **AL** – by AL is aluminum case

**t** can be **B** or **G** – by case color (Black or Grey)

**b** can be **BA** or **2BA** – by BA is 1 pc battery or 2BA is 2 pcs batteries included (up to 4 pcs battery)

**s** shows that the solar charger module is included. Attaching solar panels are only possible to the [-S] models, although it is optional to use them. It can be chosen 50 or 80 W.

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