



MTP fzc



Active day and night

Design and Produce in UAE(Manufactory)



**User Manual
Radar Yours Speed Sign**



MTP fzc CO

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www.MosallasTraffic.com

Introduction:

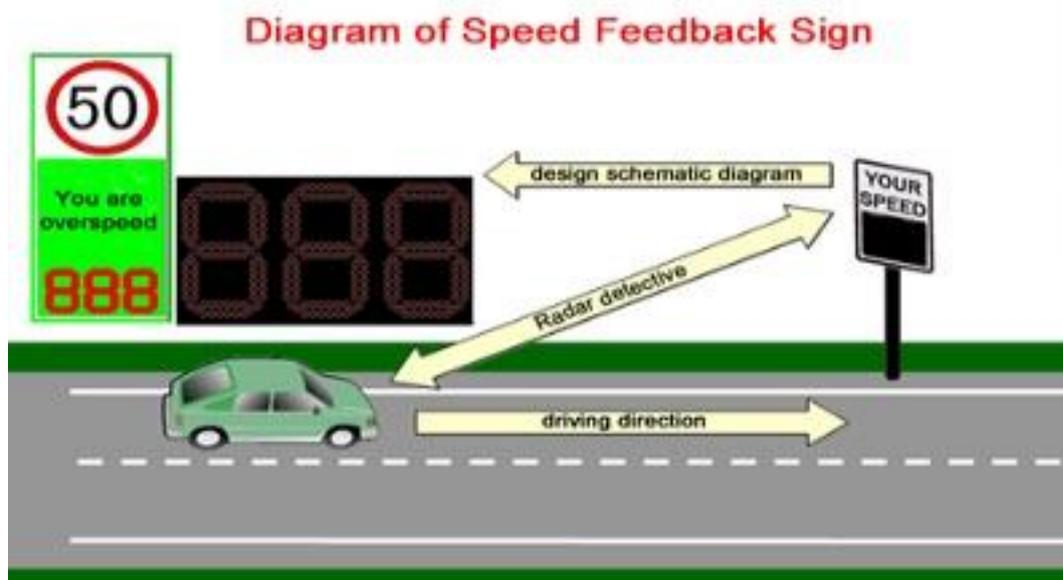
LED radar speed signs made in 3 seven segment digit can set the limit speed number by software. It inform the driver limit speed: show green number in limit speed and show red number out of limit speed.

When the vehicle drive into the radar detection area (about 100m in the front of radar sign), the microwave radar will automatically detect the speed of the vehicle and the speed will be displayed in the sign to remind the driver to reduce driving speed, which Effectively reduce the road traffic accidents caused by high speed driving.

Speed feedback device has a significant eye-catching induction driving function, can significantly reduce traffic accidents, to achieve safety guidance.

Component:

1. Speed limited sign (indicating the speed limit of the road section)
2. Such as "YOUR SPEED" and a dynamic LED (Conductor light-emitting diode) display, shows the vehicle's speed
3. Microwave radar test the speed
4. Solar power with solar power supply system



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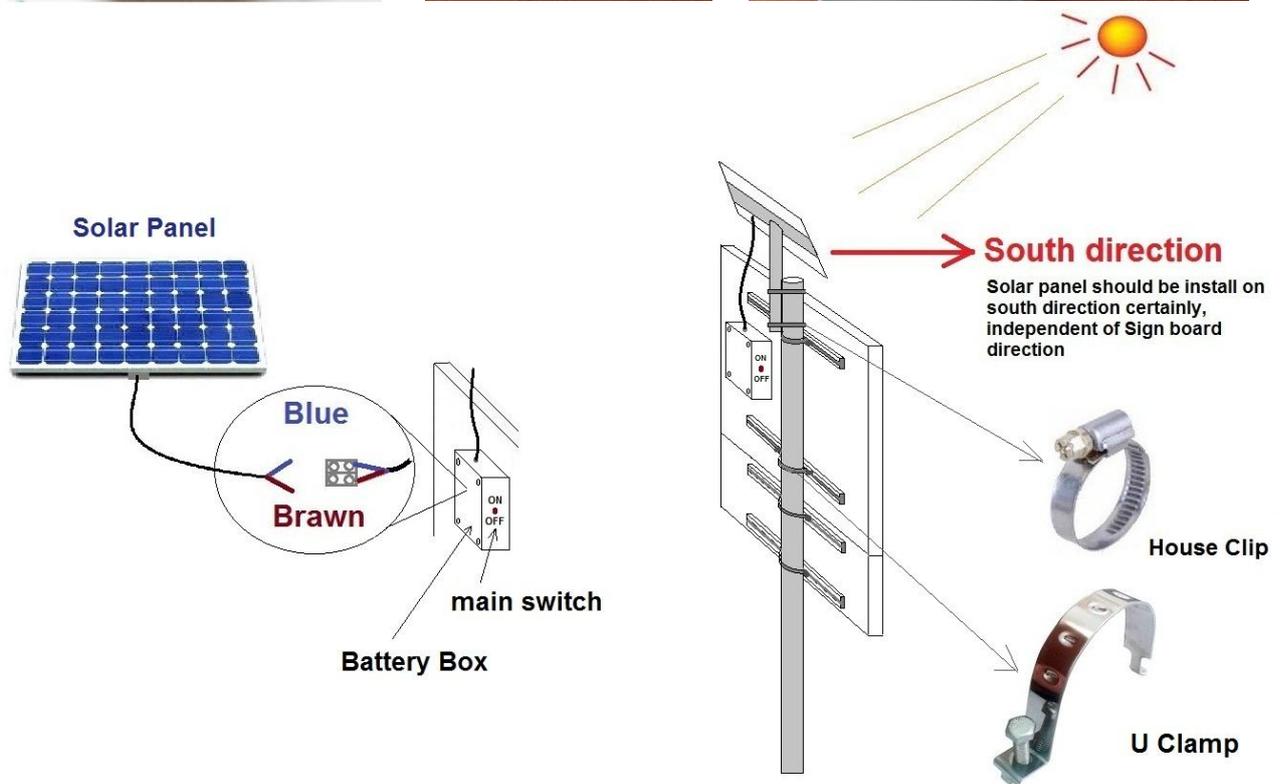
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Seven Steps to Installation:

- 1- Prepare U clamp and round clamp and tools
- 2- Put U clamp into U channel stand on the rear of sign
- 3- Install sign board on the horizontal or vertical pole by U clamp
- 4- Install Solar Panel on the pole with Round clamp (face of solar panel should be in south side)
- 5- Connect Solar Panel cable to Terminal which is located inside of box (Blue to Blue and Brown to Brown)
- 6- Close battery box and turn ON switch which is located on the side of battery box
- 7- Installation is finished and since now, sign board automatically will get charge at day and will be active at day and night



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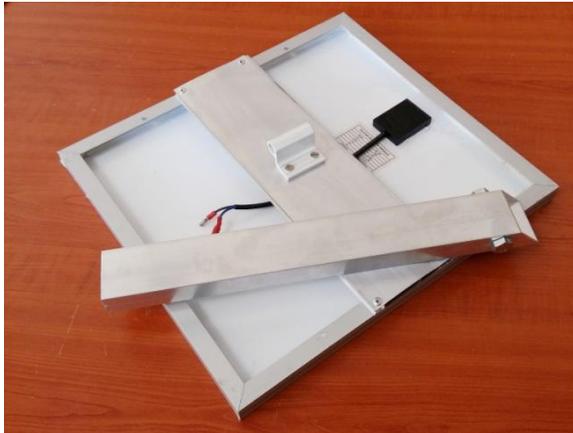
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Each solar panel has a cable, having 1 blue & black wire. After installation sign board on the pole, mentioned cable is entered into battery box which located rear of sign. Then it connects into its terminal. Note that blue wire shall be connected into blue wire of terminal and black wire into black wire of terminal.



Solar panel is installed on pole by an aluminum tube. After orientation of solar panel into south, they are fastened by two house clips.

The solar panels work with the solar controller located in the system's battery compartment. The controller continually recharges the batteries up to full whenever sufficient sunlight generates a charging current. It prevents overcharging the batteries and draining the batteries during low-light periods. Appropriate panel size for solar assist depends on display sign model, traffic volume, geographic location, battery capacity and operating times. Actual performance depends on application and mounting location. Place panels in direct sunlight and tilt them toward true south to maximize their effectiveness. To calculate the best angle of tilt in the winter when there are the least sun hours, take your latitude, multiply by 0.89, and add 24 degrees. The result is the angle from the horizontal at which the panel should be tilted. Mount the Your Speed display unit so the display remains out of direct sunlight whenever possible for optimal viewing. MTP uses Sealed Lead Acid batteries for solar systems, as charging lithium batteries in extreme hot or cold temperatures can damage the battery.

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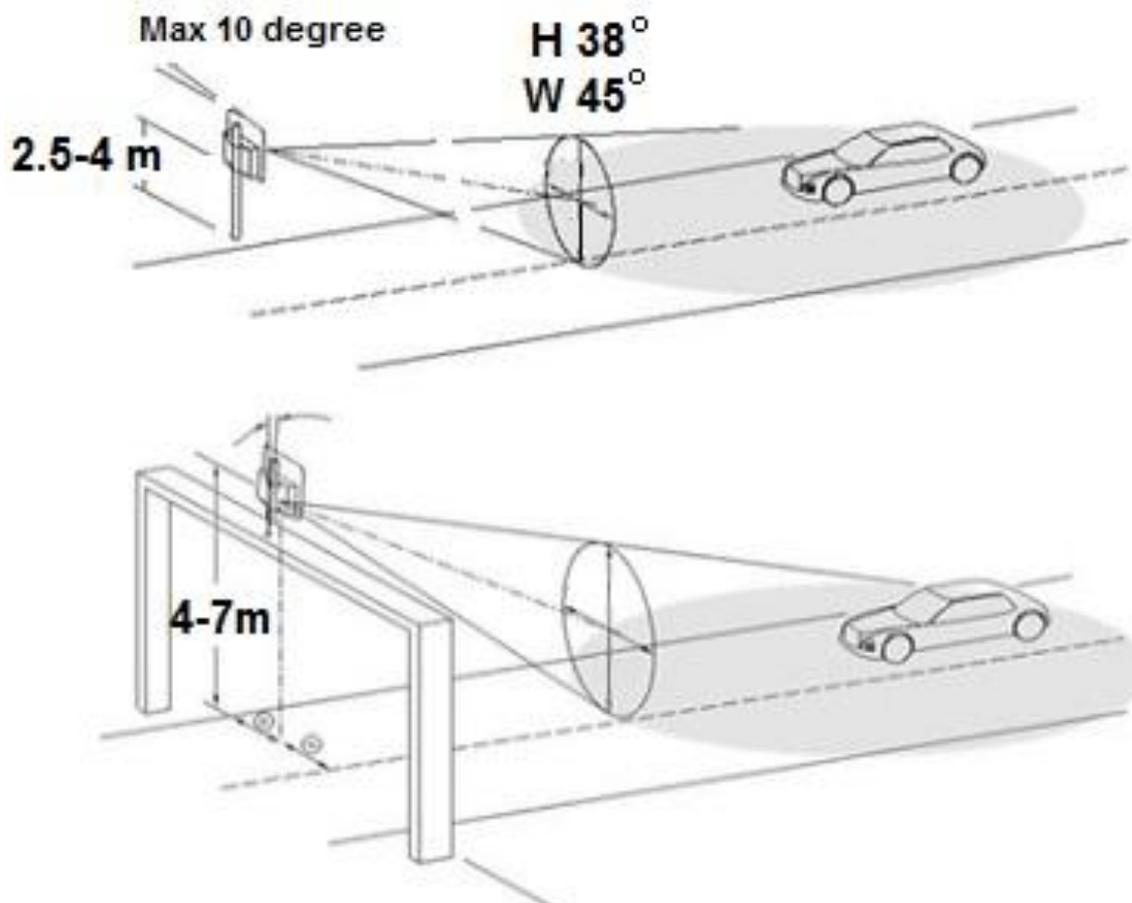
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Note:

The Your Speed Sign fixed on the road left or right, or just above the road, so that the direction of the radar port to the car, the tilt angle of not more than 10 degrees.

if it is fixed above the road, the radar fixed position should be radar Cavity oblique angle alignment to the car location. At the same time, the higher the distance between the radar and the ground, the farther away the radar works. Generally, the distance from the ground to radar in 2.5-7 m is better.



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