



TWM TRAFFIC CONTROL SYSTEMS

# DSD Speed Display Sign



## Large LED SPEED DISPLAY with SLOW DOWN Safety Message & Sad / Smiley Face Option

The Inter-active Vehicle activated sign will display a real-time illustration of the approaching speed of an oncoming vehicle when exceeding a pre-set threshold limit. However, if the approaching vehicle is above a secondary higher threshold limit, the sign will display both **SPEED** and **SLOW DOWN**. When the vehicle then slows down and the speed falls below the secondary threshold limit, the sign will display **THANK YOU** with the real-time speed. The **SLOW DOWN/THANK YOU** message can easily be substituted by the **SAD/SMILEY FACE** option by use of a hidden switch.

The light output of the directional LED display is controlled via the inbuilt photo cell, achieving best performance whatever the light or weather conditions.

The MVD is discretely positioned within the sign body, showing no external traces of a detector, yet allowing maximum detection. The MVD is easily programmed via a PDA or Laptop computer with a USB cable. The USB lead is connected to the front of the sign which makes on-site adjustment simple and easy

## Measurements:

Unit size: 780mm x 650mm

Speed Display size: 300mm

SLOW DOWN Text: 100mm high

SAD/SMILEY Face: 200mm

## Key Features:

- ✓ Multi-stage dimming
- ✓ Fully enclosed anti-vandal unit
- ✓ 230 or 12 volt operation
- ✓ Virtually No maintenance
- ✓ High performance LED output
- ✓ Lightweight robust aluminium casing
- ✓ Channel rail on the rear for easy installation
- ✓ Quick & easy mounting facility for moving around sites

## Options:

- ✓ Optional data recording facility
- ✓ Optional remote data collection facility



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## Electrical data

Rating	230VAC, 50/60hz
Power Consumption	Low Power Design
Peak (All LEDs active)	Design dependant

## Radar Sensor

Type	CW Doppler
Operating Frequency	K-Band (24 GHz)
Power Usage @ 4hz	100m <65mW 200m <170mW 400m <65mW
Beam Angle	38° x 45° 32° x 30° 24° x 12°
Output Capability	RS232 or RS485 or USB
Detection Range	min. 100m max. 400m Typ. 200m
Operating Speed	1mph - 150mph
Certification	CE approved

## LEDs

Brand (speed display)	Avago high brightness SMT
Brand (Text)	Cree 5mm round LED
Colour	Amber
Viewing angle	30°
Operating temp	-40° + 95°
Life span	Over 50,000hrs

## Display

Speed display	300mm high
SLOW DOWN text	100mm high
Sad/Smiley face	250mm diameter
YOUR SPEED text	50mm high black vinyl
Border	Yellow reflective class ref II
Brightness	Multi-stage dimming

## Mechanical data

Enclosure	3mm Aluminium
Front Cover	3mm Clear Polycarbonate
Body Colour	Powder Coated Black
Protection Degree	IP55
Operating Temp	-15°C to + 60°C
Certification	CE Approved



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