



TWM TRAFFIC CONTROL SYSTEMS

Multicolour DSD Speed Display Sign

The DSD is a large multi-colour LED speed display sign with the option of a SLOW DOWN / THANK YOU safety message or a Sad / Smiley face image.

The inter-active sign will display a real-time illustration of the approaching speed of an oncoming vehicle when exceeding a pre-set speed threshold limit.

However, if the approaching vehicle is above a secondary higher speed threshold limit, the sign will display the real time SPEED in red and SLOW DOWN in amber. When the vehicle then slows down and the speed falls below the secondary threshold limit, the sign will display THANK YOU in amber with the real-time speed in green.

The SLOW DOWN/THANK YOU message can easily be substituted with the SAD/ SMILEY FACE option via the use of a hidden switch.



Key Features:

- ✓ Multi-stage dimming
- ✓ Red/Green Speed Display
- ✓ 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
- ✓ IP 55

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

Display

Speed Display	315mm high
Slow Down Text	100mm high
Sad/Smiley Face	250mm diameter
Your Speed Text	100mm high black vinyl
Border	White Non Reflective vinyl
Brightness	Multi-Stage dimming

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)	RED & GREEN Cree 5mm round LED
Brand (Text/Smiley face)	AMBER Cree 5mm round LED
Viewing Angle	30°
Colour	Amber, Red & Green
Life Span	Over 50,000 hours
Operating Temp	-40° + 95°

Mechanical data

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



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