DYNAMIC MESSAGE SIGNS / VMS

TECHNICAL SPECIFICATIONS DYNAMIC MESSAGE SIGNS / VMS

SYSTEM OVERVIEW

Envoys Dynamic Message Signs / VMS can be customized as per user requirements, fully programmable for outdoor usage. Comes with user friendly software for Control room operation. capable of withstanding roadside vibrations, suitable walkway for maintenance.DMS Both permanent and portable signs, are vital components of Intelligent Transportation Systems (ITS) in communicating with motorists on the road. **Variable Message Signs** (VMS) are one of the key elements of Dynamic Traffic Management Systems Depending on the traffic situation These signs provide the traveling public with warnings pertaining to traffic congestion, crashes, incidents, construction, speed restrictions, etc. messages.



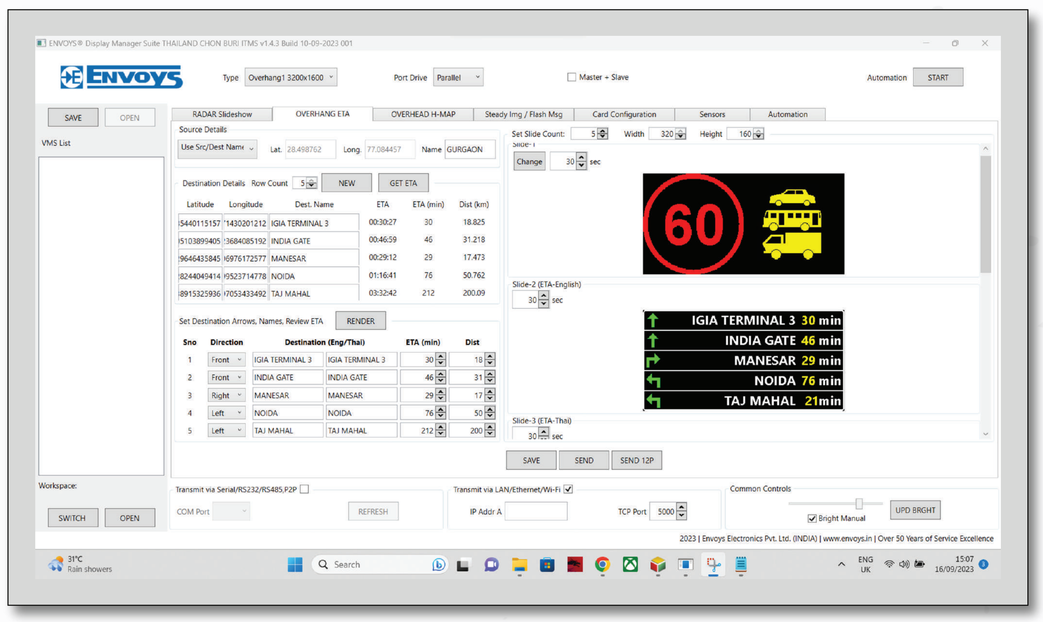
VARIABLE MESSAGE SIGN (VMS)

FEATURES OF VMS

- Provides traffic Updates & congestions
- Improved safety
- Route Guidance to Help motorists. (ETA)
- Reduced congestion
- Time information in conjunction with vehicle probe data or detectors

GENERAL SPECIFICATIONS

Display Type	:	Fully programmable, full matrix outdoor display
Display Options	:	Single colour/Multi colour/Full colour
Display pitch	:	10 mm/20 mm/25 mm & other as per requirement.
Luminous Intensity	:	As per EN12966 Class L3, more than 5500 cd/m²
Display capability	:	Alphanumeric and pictograph (graphics)- Optional video
Message storage	:	Internal memory
Sensor interface	:	Enclosure Temperature, Humidity, rear door open Dimming and Weather
Reading distance	:	Up to 300m with typical 300mm character height



MULTIPLE MESSAGE SETTINGS

CONFIGRATION SOFTWARE TOOL

- Microsoft WINDOWS based.
- User friendly GUI for Message/Image creation with multiple font size and language options.
- Real time log & Report facility
- ON/OFF functionality of Display through software.
- Intensity control (Auto/Manually)
- Multiple messages can be transmitted

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COMPLIANCES

Compliance to International standards- EN12966 and BIS 13252

POWER

Input Voltage : Typical 230 V AC ± 15 %, 50/60 Hz

ENVIRONMENTAL

Operating Temperature : -15 to +60°
Humidity : 10% to 95% RH, Non-condensing
Ingress protection : IP65 front and IP54 rear

ENCLOSURE

- Non-Corrosive
- Powder coated based on designated colour requirement
- Forced Air cooled with full thermostat control



PORTABLE TROLEY VMS

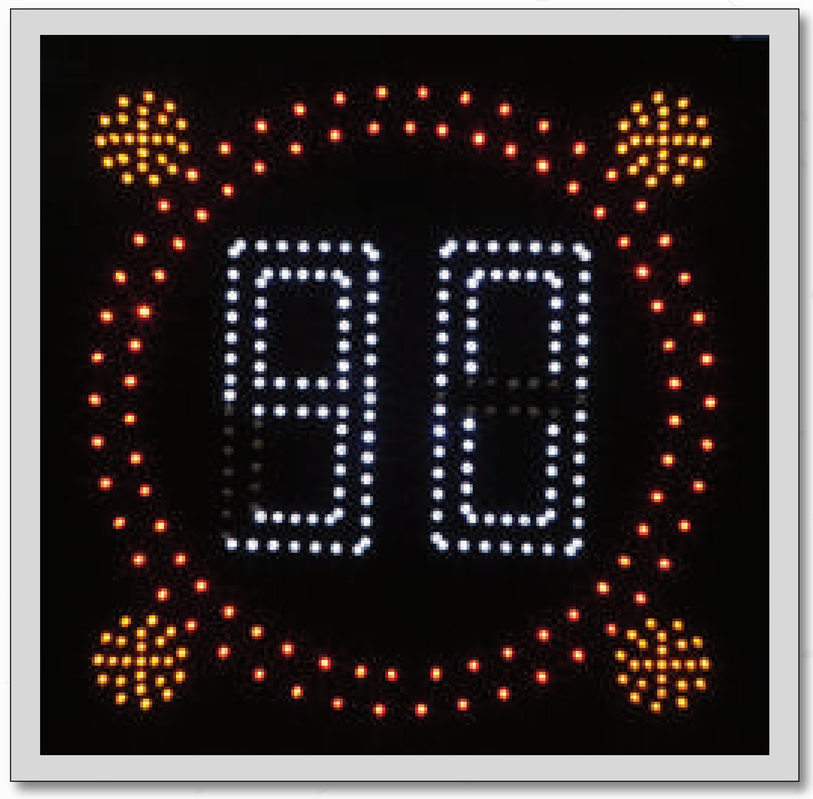
DYNAMIC SPEED SIGNS / VARIABLE SPEED LIMIT SIGNS (VSLS)

SYSTEM OVERVIEW

ENVOYS Dynamic speed Sign allows agencies to adjust the speed limit in response current road and traffic conditions, such as heavy traffic or adverse weather. Decreasing the risk associated with driving at speeds higher than appropriate in these types of conditions can improve traffic flow and safety.

DMS/VSLS FEATURES

- Centrally controlled via (3G/4G) network, RS 485, Ethernet
- Fully programmable
- Clear visibility
- Schedule for Day of Week, Month of Year, or any specific date(s)
- Improve safety and traffic flow by adjusting speed limits as per local requirement
- Speed limit & Health status monitoring
- Maintain Data, reports, log of events & changes with date/time stamp



DYNAMIC SPEED SIGNS /
VARIABLE SPEED LIMIT SIGNS (VSLS)

GENERAL SPECIFICATIONS

DISPLAY

Source of light : 3in1 SMD LED
Colour : RGB Colour Display – Full Matrix
Viewing distance : 300 meters Typical
Viewing angle : Better than 130° (Hor /Ver) Typical
Display capability : Display Speed Symbols (Number) – Full Matrix - 640 x 640 mm, 960 x 960 mm or customised

MECHANICAL

Housing Material : Powder Coated Anti Corrosive GPSP Alloy Sheet
Front plate Coat : Low reflection black matt finish
Finish and Paint : Powder Coated – Black Color
Weight : 50 kgs approx.
Maintenance provision : From Rear Side with Back Door Entry.
Protection : As per EN 12966 - Front Face IP 65 and rear face IP 54.

ELECTRICAL

Input voltage : 180 - 250V AC, 50 Hz Single Phase. 230V AC Typical
Typical power consumption : Maximum 800 Watt Approx. Average 260 Watt Approx.

COMMUNICATION

Communication Port : RS485 / RS232 / Ethernet

ELECTRICAL

Operating Temperature: 0° C to 60° C

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