TROLLEY BASED PORTABLE Variable Message Sign Board Full Matrix – Full Colour

TECHNICAL SPECIFICATIONS - TROLLEY BASED PORTABLE Variable Message Sign Board Full Matrix – Full Color



SYSTEM OVERVIEW

- Envoys TROLLEY BASED PORTABLE Variable Message Sign Board Full Matrix – Full Color VMS EN12966 certified product with full matrix display. Fully programmable for outdoor usage and customization options can be integrated. Comes with user friendly software for Control room operation. Ergonomically designed mounting structure, capable of withstanding roadside vibrations, suitable walkway for maintenance.
- Variable Message Sign (VMS) is a display on which we can show safety related messages. These messages can be in the form of texts or in the pictograms. The Portable trolley mounted VMS becomes the information resource for that particular construction sites. They display the precautionary messages related to that site so that the motorists/LMV/HEAVY VEHICLES are well in-formed on the ongoing work at that site.

VMS FEATURES

- Intensity control either manually or in auto mode by sensors (Extra).
- Display can be turned on or off just by sending instruction to the selected VMS boards through software.
- VMS health status can be shown on the VMS lobby.
- Different message packages can be made on the computer as per the size and those can be transmitted to the selected VMS boards.
- Messages can be transmitted either in the form of texts or in the form of bmp files.
- Self-Test diagnostic with real time update to control room for correct display operation
- High life expectancy and low maintenance

SPECIFICATIONS

Display Type	:	Fully programmable, full matrix outdoor display
Display Options	:	Single colour/Multi colour/Full colour
Display pitch	:	10 mm
Pixel density	:	10 000/m^2
Lighting Element	:	Hi-Bright LED (SMD/DIP) Wide angle LED pixel for daylight visibility.
Display colours	:	Over 16 million (16777216) colours per pixel
Luminous Intensity	:	As per EN12966 Class L3, more than 5500 cd/m^2
Beam width	:	As per EN12966 Class B6
Contrast ratio	:	As per EN12966 Class R3
Display control	:	Microcontroller based
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	:	300m with typical 300mm character height
LED lifetime	:	100 000 hours (averaged)
Ingress Protection	:	IP65 front and IP54 rear for all weather conditions
Compliance	:	Compliance to International standards- EN19266 and BIS 13252
Module Design Size		1600 mm (W) X 960 mm (H) ± 5% (Customizable)

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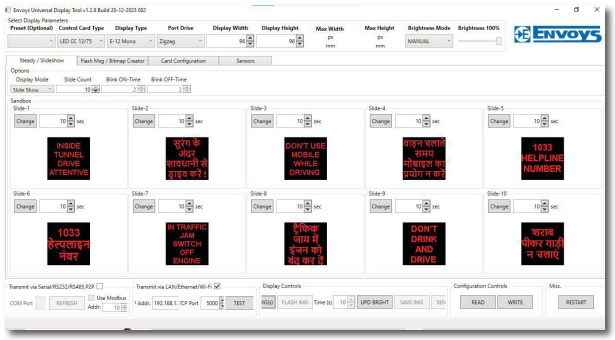
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CONFIGRATION SOFTWARE TOOL

- Microsoft WINDOWS based.
- User friendly GUI for Message/Image creation with multiple font size and language options.
- Real time log facility
- Report facility
- Configurable scheduler on day-date-day of week/Month basis



SOFTWARE SCREENSHOT 1



SOFTWARE SCREENSHOT 2

POWER

Input Voltage	:	Typical 230 V AC ± 15 %, 50/60 Hz
Input Power	:	Typical 450 Watts maximum per square meter of illuminated display
Input protection	:	Surge suppression, short circuit/overload, fluctuation and Over voltage protection

COMMUNICATION

Through secured communication channels- RJ45 for wired (Ethernet) or wireless (GPRS/3G/4G/5G) Data Channel

ENVIRONMENTAL

Operating Temperature	:	-10 to +55°
Humidity	:	10% to 95% RH, Non-condensing
Ingress Protection	:	IP65 front and IP54 rear

ENCLOSURE

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



PORTABLE TROLLEY VMS

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