LED VARIABLE MESSAGE SIGNS

Model: PP.DP.0832.RV2

FOR TRAFFIC AND ITS SYSTEMS

PHOTONPLAY is the leading supplier of high quality LED variable message signs for traffic guidance and information purposes. Photonplay's optically outperforming variable message signs are highly reliable components of numerous traffic management systems on motorways, in urban traffic guidance, lane control signalling and tunnel information. Further applications are car parking systems, traffic calming, road safety enhancement, warning of upcoming hazards and traffic routing at customs facilities, toll gates and truck checkpoints.

1.0	TECHNICAL DETAILS	
1.1	**Light source**	High Power LEDs
1.2	**Housing**	Modular design principle in seawater-proof, powder-coated profiles made of **ALUMINIUM 1.5T**
1.3	**Protection**	Class IP 65
1.4	**Temperature Classes**	-25°C to +60°C
1.5	**Humidity Range**	5 – 95% rel. humidity
1.6	**Controller**	○ Embedded controller designed for industrial temperature range: -40 to +85 °C Integrated fast access solid state data memory
1.7	**Interfaces**	○ TCP/IP
1.8	**Mounting options**	Ceiling Mount on Pre Fabricated Gantry
1.9	**Protocol**	Photonplay's SignCom
1.10	**Optic**	Optical equipment fits into the matrix luminance ratio (contrast) up to 100, even at low sun position <10°
1.11	**Compliant**	EN12966 (Optical, Electronic, Hardware)

2.0	LED Matrix	
2.1	**Light source**	High Intensity LEDs
2.2	**Color**	RGB
2.3	**Pixel Pitch**	25mm
2.4	**Pixel Formation**	SMD
2.5	**Beam Width**	B7
2.6	**Resolution**	128 x 32 Pixels
2.7	**No of PCBs**	4 x 8 PCBs

4.0	DISPLAY SPECIFICATIONS	
4.1	**Character/Line**	1 Line, 10 Characters
4.2	**Illuminance (Intensity)**	4500 to 14200 cd/m_2 (Min to Max)
4.3	**Viewing Distance**	≥210M (speed 100KM/h)
4.4	**Beam Width**	B7
4.5	**Auto Dimming**	Sensor with 10 levels of brightness
4.6	**In built sensor**	Ambient Light Sensor (Auto Mode/Manual Mode)
4.7	**Display area**	3187mm x 787mm (LED MATRIX) (Customizable)
4.8	**Overall Cabinet Size**	3400mm x 900mm (OUTER SIZE) (Customizable)
4.9	**Languages**	English, Hindi & Regional (graphics based)

5.0	Mechanical	
5.1	**Mounting**	Ceiling Mount on Pre Fabricated Gantry
5.2	**Housing Material**	Aluminum 1.5T
5.3	**Front plate coat**	Low reflection black matt finish
5.4	**Finish and paint**	Black powder coated
5.5	**Front finish**	A specially designed high temperature cured and black matt finish with aluminum metal face , polycarbonate sheet and LEDs Not Exposed
5.6	**Maintenance provision**	Rear access multiple doors
5.7	**Weight**	128kgs (Approx)

6.0	ELECTRICAL SPECS	
6.1	**Power Supply**	24VDC
6.2	**Typical power consumption**	**220W** (Max) **125W** (Average)
6.3	**Communication**	TCP/IP(LAN BASED)
6.4	**MTBF/life span**	100,000 hours
6.5	**Operating Temperature**	-25 deg to 60 deg C
6.6	**Humidity**	Operation ambient humidity: 5%-95%Rh

PHOTONPLAY SYSTEMS (P) LTD.

Director