



VARIABLE MESSAGE SIGN (VMS)

Variable Message Sign



Basic Information

The Variable Message Sign provides traffic information during extraordinary situations as congestions, traffic closures of important roads or bad conditions on the road of the route. Drivers can decide in time and chose an optimal route based on the presented information. Information could be shown as a text or graphics, displayed static or dynamic. Variable Message Sign can be monochromatic in yellow colour.

Technical Description

The box of the Variable Message Sign is produced from the aluminium profile with the door located on the rear side. A surface finish is performed by the powder colour according to the wish of the customer. The front panel is fitted with the full matrix containing optical elements consisting of lenses and LED's. Elements of the optical system (lenses) radiate in various levels light under various angle. This enables optimal use of the light flux and prevents reflex of the sun light incident. Lenses are made from the borosilicate glass. The box is air-conditioned and protected against any condensation of the internal humidity. The front panel is heated to prevent snow deposit. The door opening is signalled on the distance to the superior system. Standard Variable Message Sign dimensions are 4500x2000x300 mm.

The box contains a process unit so-called CPU, which controls optical elements and communicates with the superior system. The communication protocol enables data transferring for full control of the sign inclusive reading of the complete diagnostic. To ensure compatibility with the other equipments (control system, modem etc.) any communication protocol can be implemented into the control unit. The displayed texts or symbols can be either sent into the sign directly through the communication line or displayed from in advance pre-programmed memory and selected only by the symbol number (memory place).

For the software servicing and its adjustment the separate communication channel is used, which is possible to join with the control channel or to use separately through any medium (e.g. WiFi connection)

Variable Message Sign conforms with the Standard CSN EN 12 966.

Basic Technical Data

Name:	Variable Message Sign
Type:	VMS
Operation:	pernament
Supply:	230 V / 50 Hz
Power consumption:	200W – 6kW, by design
Protection:	IP54 – IP56, by design
Operation temperature:	-20°C up to +60°C
Measurements:	length 2000 mm - 5000 mm height 1000 mm – 2800 mm width – 300m
Light elements:	LED

Contact

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