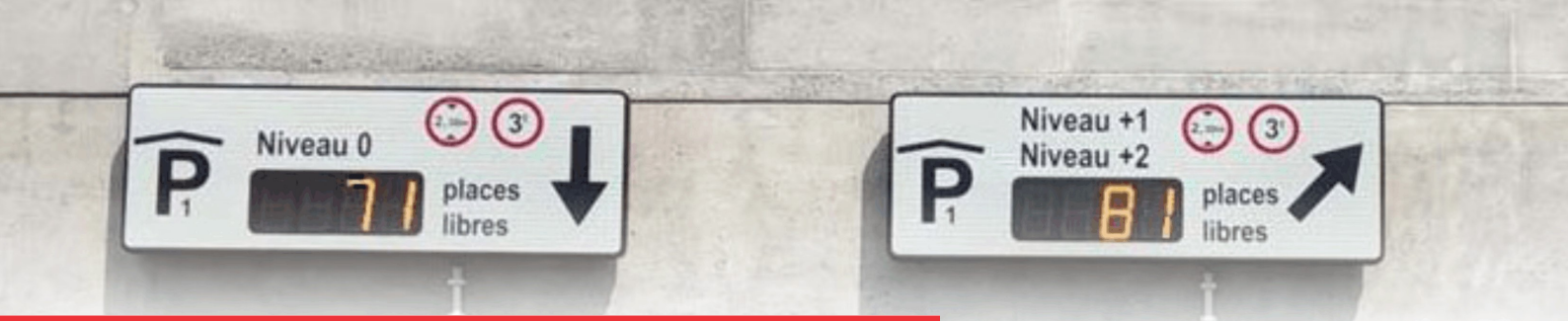
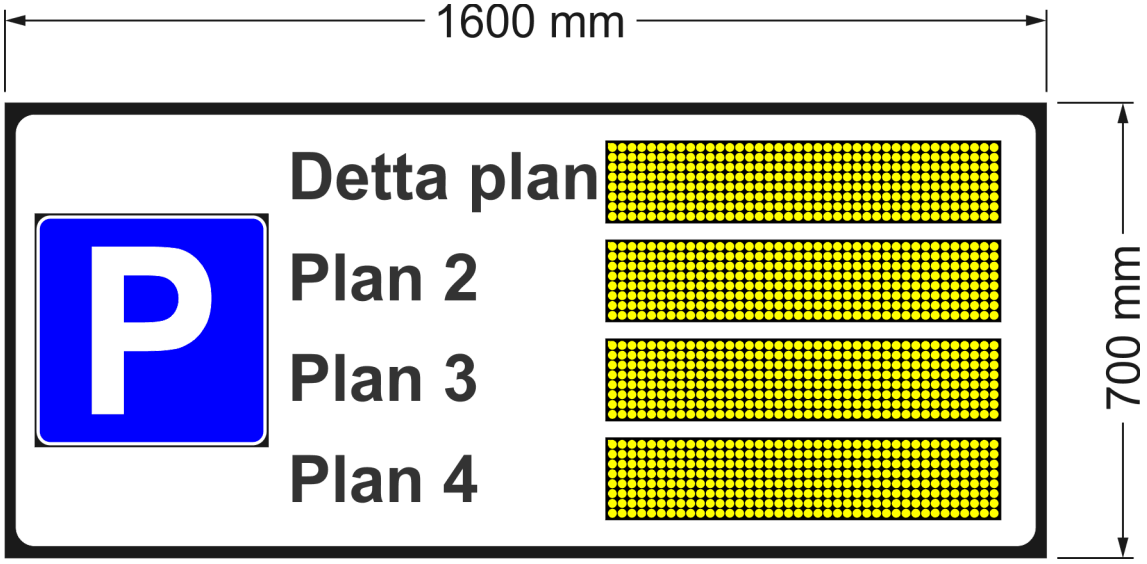


DMV PARKING SIGNALIZATION

TRS-PGS-4xRTNM-P1V3-8x40-Y-LS-ETH



Main features

Certificate	EN12966-1:2005+A1: 2009.
Type of sign	Parking traffic sign with yellow matrix field for alphanumeric characters.
LED	LEDs with high luminous intensity and long life time.
Maintenance	Hardware is designed so that each part can be easily removed and replaced.
Brightness control	Brightness could be: a) Automatically adjustable according to external illumination measured by light sensor. b) Automatically adjustable according to actual day time using precise algorithm. Precise daytime brightness algorithm depends on geographical location where the sign is installed, taking into account daytime changing during whole year. c) Pre-adjusted or set from the system.
Temperature monitoring	The VMS equipped with sensors for continuously measuring the temperature inside the cabinet. Temperature monitoring and control system provides optimal working temperature and prevents condensation or component overheating. System also protects LEDs from temperature peeks that might happen during device operation.

EN 12966-1:2005 + A1:2009
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info@dmv.rs

Operation logs	Logs system provides a lot of information about working conditions. Logs are stored in VMS internal memory and could be depend on implemented hardware: VMS reset, maximal and minimal temperature in the cabinet, cooling and heating system activation, messages displayed, malfunctions as - short circuit, open circuit and thermal error for each individual LED per each color, light sensor malfunction, overheating, communication errors. Precise time when each log happens also is recorded in the VMS memory.
Internal time	VMS has real time clock with 2ppm precision.
Interfaces	Ethernet
Protocol	UDP or TCP/IP oriented communication protocol. Setup of IP parameters over network (IP address, mask, gateway address), without opening the sign. Firmware update over network.
Power consumption	Maximum consumption: ~ 130 W
Power supply	230 VAC

Mechanical features

Housing dimensions (VxH)	700 x 1600 mm
Approximate weight	~ 30 kg
Material	Aluminum AlMg3, powder coated, resistant to aggressive atmosphere. Part that shows the variable message is made in accordance with EN12966, and the foil part in accordance with EN12899.
Housing color	Gray, RAL 9007
Front color	Front made of retro reflective foil (3M) – class II
Physical performance	T1, T2, T3 / P3 in accordance with EN12966
Resistance to pollution	D3 in accordance with EN12966
Opening	From the front side for service purpose.

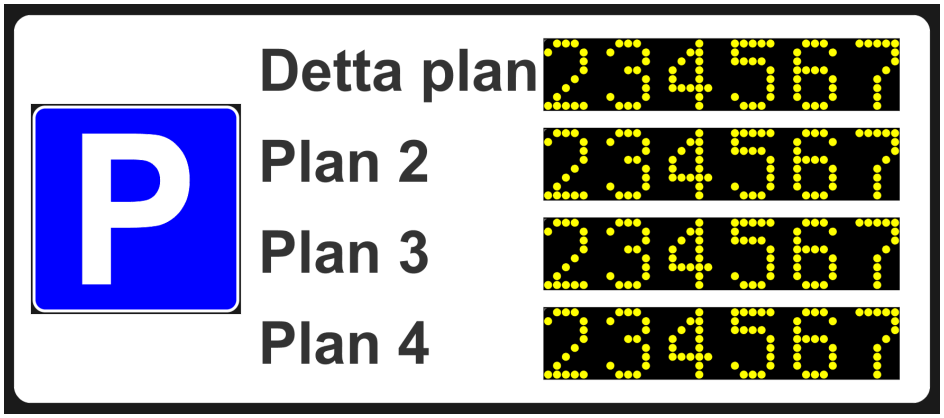
Optical features

Optical performance in accordance to EN12966	Luminous intensity: class L3 / L3(*) / L3(T) Contrast ratio: class R3 Beam width: class B6 Color: class C2
LED protection	UV resistant lenses for each LED.
LED currents	Constant current LED drivers, stable luminance, independent of the mains voltage tolerances.

Display features

Resolution	Each field is 8x40 pixels.
Pixels pitch	15 mm
Character	Height: up to 120 mm Up to 6 characters
Pixel composition	1 LED

Operation

Pictograms and text messages	VMS is able to display characters. A number of available text messages in display memory. User can create its own message or font. VMS support English characters. Possible to change alternatively 2 or more messages with programmable intervals.

Possible display scenario