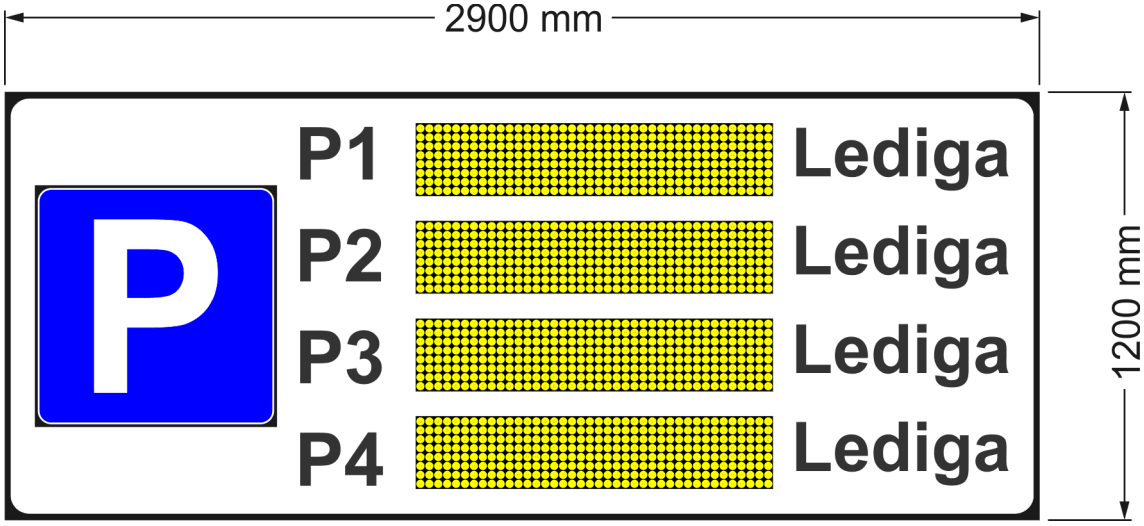

# DMV PARKING SIGNALIZATION

## TRS-PGS-4xRTNM-P1V6-8x40-Y-LS-ETH




## Main features

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| **Certificate** | EN12966-1:2005+A1: 2009. |
| **Type of sign** | Parking traffic sign with four yellow matrix fields 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:<br>a) Automatically adjustable according to external illumination measured by light sensor.<br>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.<br>c) Pre-adjusted or set from the system. |
| **Temperature monitoring** | The VMS equipped with sensors for continuously measuring the temperature inside the cabinet.<br>Temperature monitoring and control system provides optimal working temperature and prevents condensation or component overheating.<br>System also protects LEDs from temperature peeks that might happen during device operation. |

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| **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.<br>Setup of IP parameters over network (IP address, mask, gateway address), without opening the sign.<br>Firmware update over network. |
| **Power consumption** | Maximum consumption: ~ 130 W |
| **Power supply** | 230 VAC |

## Mechanical features

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| **Housing dimensions (VxH)** | 1200 x 2900 mm |
| **Approximate weight** | ~ 100 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

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| **Optical performance in accordance to EN12966** | Luminous intensity: class L3 / L3(*) / L3(T)<br>Contrast ratio: class R3<br>Beam width: class B6<br>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

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| **Resolution** | Each field is 8x40 pixels. |
| **Pixels pitch** | 25 mm |
| **Character** | Height: 200 mm<br>Up to 6 characters per field |
| **Pixel composition** | 1 LED |

## Operation

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

## Possible display scenario