



EXPANSION JOINTS LTD
LONDON, UNITED KINGDOM
www.the-expansion-joints.co.uk

Prismatic billboard PVMS

PVMS (prismatic variable message signs), or prismatic characters of variable content, is an alternative and complement to diode variable message signs (VMS). PVMS allows you to design three different contents, the change of which is controlled remotely through a computer system.

Prismatic signs are used where there may be a situation in which a change of direction, information or general marking will be necessary (Tables: E1, E2, F8). Their use is taken into account through the National Traffic Management System and they appear mainly on highways and motorways.



PVMS - F8 prismatic panel





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PVMS - Technical Specification

Frame	15/20 micron anodized aluminium (optional powder coating)
Prisms	Aluminium, horizontal or vertical, width 100, 125 or 160 mm
Bearings	The ball is made of stainless steel, sealed and filled with a special grease that maintains a constant viscosity at temperatures from -73 C to +180 C
Connecting elements	Made of A2 stainless steel (AISI304) or optionally A4 (AISI316), vibration proof)
Prism blockade	Spring pressure 30 Nm
Central drive	Stainless or hardened steel, Teflon-coated gears
Power	240 VAC /50 Hz or 24 VDC
Power consumption	Engine: 240VAC: 29W, 24VDC: 10-25W (during rotation); controller: 8W (240VAC), 2W (24VDC), 0.5W in sleep mode; GNOM-17 unit: 0.85W
Communication interfaces	RS-485, TCP / IP (using GNOM-17), voltage control
Certification	EN12966-1: 2005 + A1: 2009
Mechanism	Maintenance-free, no external lubrication required
Electrical connections	Made with waterproof IP66 connectors
The central drive shaft	Made of stainless steel



PVMS - three configurations





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Features:

Three different content - their readability consists of:

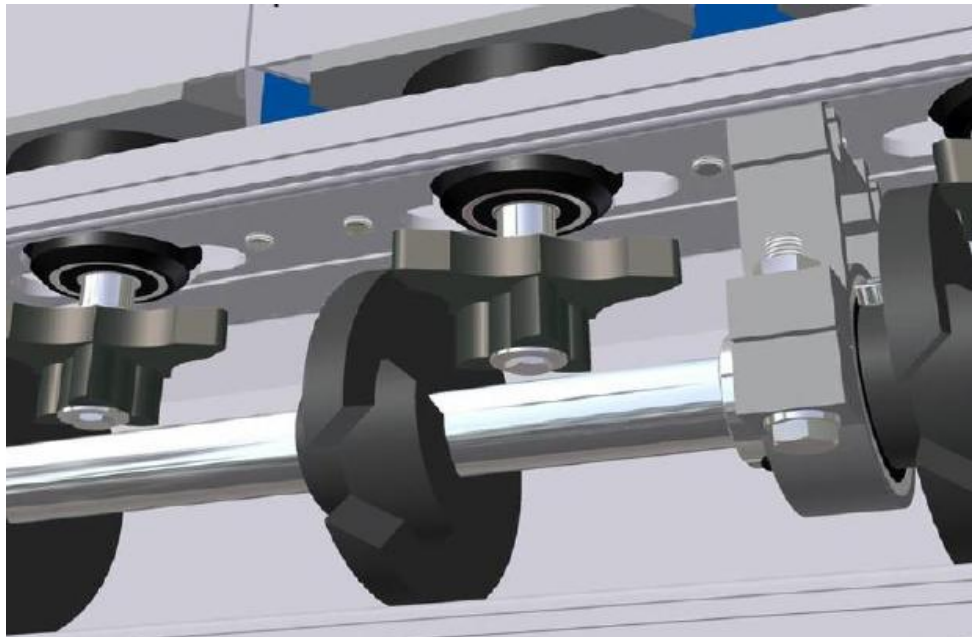
- Type of reflective film used (1, 2, 3 generation).
- Printing and gluing technology.

Control via:

- WIFI.
- GSM.
- Optical fibre.

Advantages:

- Anti-icing function: periodically made small deflections of the piles in order to get rid of the residual ice; the function is activated automatically at low ambient temperatures or at the command of the master system.
- Self-lubricating system.
- Possibility to power from solar panels.
- Controller snooze function to optimize energy consumption with solar power.
- Minimal expenditures for maintaining the mechanism.

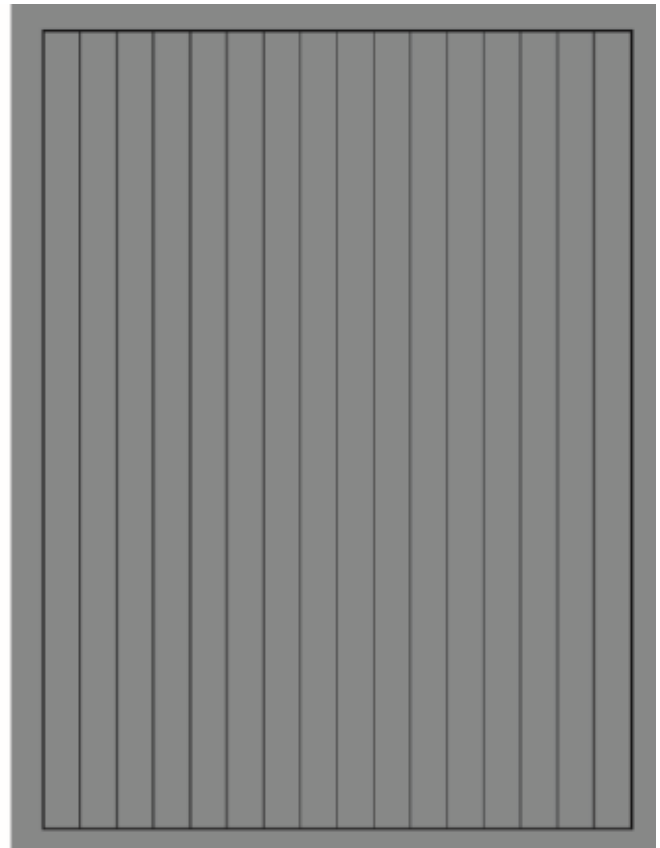


PVMS - mechanism for changing (twisting) prisms





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PVMS - two configurations. On the left - a detour; on the right - "gray sign"

the product has a 5-year warranty

*More information from the U.K. Representative
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