

**MAKING THE
MESSAGE
CLEAR**

PEGASUS

URBAN VMS LED SIGNS



The **PEGASUS** Urban Variable Message Sign and mounting system is the solution to providing a family of signs with a flexible matrix display suited for Urban applications.

Pegasus signs take advantage of improvements in LED technology performance, reliability, and message setting capabilities flowing from the latest generation of high resolution motorway sign designs.

Three signs offer different matrix areas suitable for the display of four lines of text with character heights of 160mm, 100mm, and 50mm. The two larger format signs employ a dual-coloured, amber and red matrix; the 50mm version is a single-colour amber sign. All offer high resolution displays and can display simultaneous text and pictogram information.

Pegasus signs have an attractive appearance suited to today's urban streetscape. The two larger signs offer flexible mounting facilities for either landscape or portrait fixing. Intended to be post mounted, there are five mounting arrangements possible for landscape fixing and three for portrait fixing.



Five mounting arrangements for landscape fixing and three for portrait fixing

GENERAL TECHNICAL SPECIFICATIONS

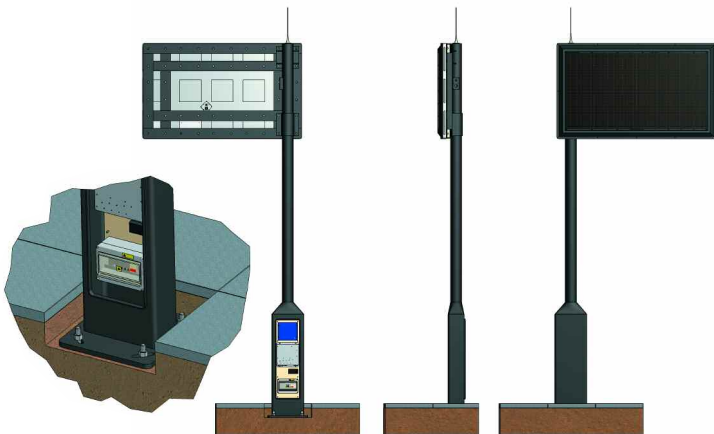
Item	160mm equivalent character	100mm equivalent character	50mm equivalent character
Overall Dimension W*H*D (LANDSCAPE format)	2000mm x 1200mm x 120mm	1500mm x 930mm x 120mm	1050mm x 700mm x 120mm
Display Area W*H (LANDSCAPE format)	1760mm x 960mm	1265mm x 690mm	805mm x 460mm
Weight (provisional)	97Kg	65Kg	38Kg
Enclosure	aluminium	aluminium	aluminium
Matrix	176 x 96 pixels (LANDSCAPE format)	176 x 96 pixels (LANDSCAPE format)	112 x 64 pixels (LANDSCAPE format)
Inter-Pixel Pitch	10mm	7.19mm	7.19mm
Operating Temperature	-15°C ~ +60°C		
Environmental Rating	IP56		
Optical Performance	TR2516B and BS EN 12966		
Provisional Mounting	POST <i>Height: 4700mm overall / Weight: 150Kg / Fixing: 4 hole flange fixing (for sub-surface installation) or spigot</i> FRAME <i>Size: as sign / Weight: 160Kg for 160mm sign, 100Kg for 100mm sign</i> Cantilever mounting is available, details on request		

ELECTRICAL SPECIFICATIONS

Item	Symbol	Value	Unit	Note
Supply Voltage	V_{in}	230	V AC	50Hz nominal mains supply
Power (typical)	P_{in}	460	W	100mm sign with normal two-colour display at normal luminance level
Input				PAKNET modem/ router + interface

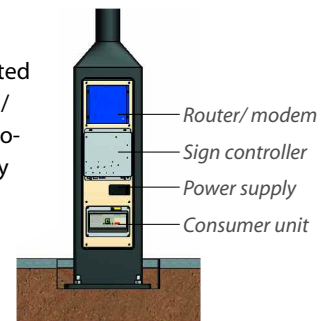
Fixing

Fixing uses a universal mounting frame. The post has a fixed upper 4-hole mounting plate and an adjustable lower 4-hole mounting plate to accommodate frame in either orientation. Sign has simple keyhole-type drop-in fixings for quick fitting and removal, with a security clamp to prevent unauthorised interference.



Connections

Power is connected to a consumer unit in the post base. A post-mounted aerial is wired down to the modem/router in the post base; controller-to-sign commands are wired internally up through the post and exit through a gland plate at sign level. Sign has waterproof connectors on the rear plate. Power supply cutout can be fitted in the post base.



Input Signal

The operating interface is compatible with UTMC.

Legibility

The legibility distances for 100mm and 160mm high characters with a 0.7 aspect ratio is 65-70m and 90-100m respectively.

Luminance Control

The sign has automatic luminance control for changing ambient conditions.



Highways Agency Type Approved

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