Intelligent Speed Sign

Auto Mate Systems Ltd Unit 7b Petre Court Accrington BB5 5HY

Tel 01254 234 248   Fax 01254 234 249

Highly visible, vandal-resistant, ABS Casing. (Fully waterproof)

Displays Current Speed; 3 Colour LED's (Red, Amber, Green).

Examples of some of the pre-set messages.

Variable Message Section;
- Will display user created messages,
- Can be programmed to show messages according to certain speeds,
- Can be programmed to only show messages during certain times.

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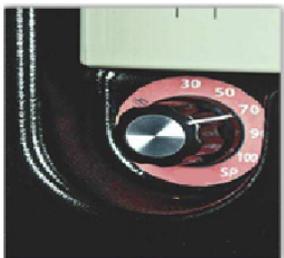
Overview:

- Green and Red, high brightness, low energy consumption LEDs (height 33cm) which can give red, green or amber affect.
- Conforms with the new European environmental regulation ROHS.
- Casing is ABS with a red/white polycarbonate front cover. It is highly resistant to corrosion and vandalism, and is fully waterproof, classified IP65. The batteries are locked within the unit to help keep them secure.
- Bottom matrix can display a variety of different texts, either statically or dependant on speed. (for example, if going 0-30mph matrix will show "Thank you", if going 30+ mph, matrix will show "Slow Down".)
- Use of a full-graphic matrix 60 x 24 cm (L x h). Resolution: 56 x 16 pixels.
- Brightness adapts to the level of sunlight (via a photo cell), helping to reduce the "dazzle effect".
- Display can refresh every 1-2 seconds, allowing the display to be shown at least 6 times before the car passes.
- The speed signs can either be **powered from a fixed 240v power supply, or battery powered with an optional solar powered charging system for permanent installations.**
- **Speed Sign Dimensions:** 70 x 110 x 15 cm (L x w l x t)
- **Weight :** without battery 8 kg

  : with battery 13kg

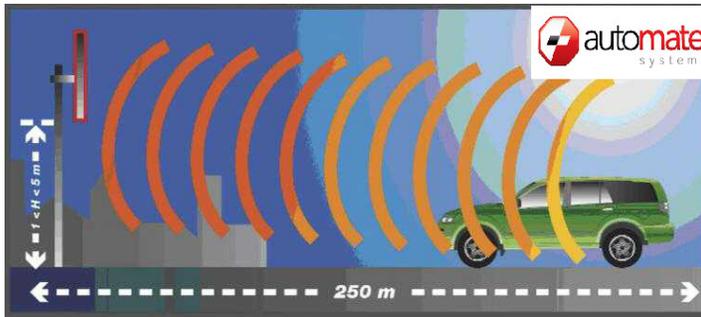## Easily adjustable display steps:

The speed sign comes with a 10 step rotary dial which can be adjusted to change the threshold speed, flashing speed and speed parameters. Each of these steps can be programmed with the programming lead and software.

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Ultra-precise speed detection:

Precise to +/- 1 mph

Speed detection via "Doppler radar 24.125 Ghz"

Detection range from 10 to 250 meters

Compliant with European and world regulations (EN300440...)

Mounting height from 0 to 5 meters
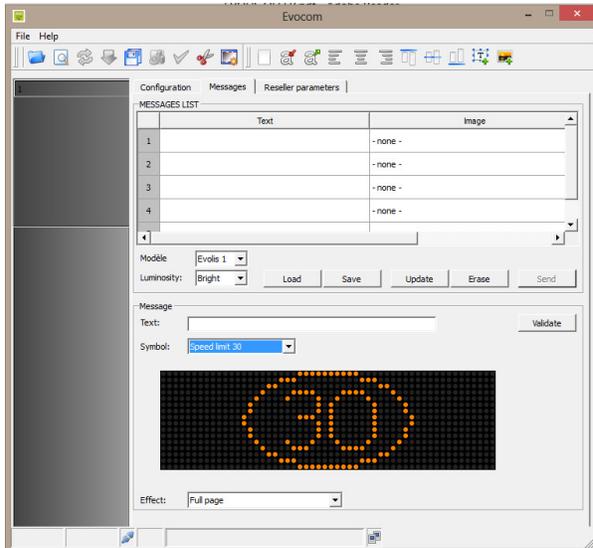
Filter to cancel distortion caused by reverse traffic.

The width of the detection cone (10° vertical and 17° horizontal) allows the sign to be mounted up to 5 meters high.
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Configuration Software:

Date Processing

Set up of maximum speed limit (to stop "competitive effect")

Activation of Flashing Message

Internal Clock Settings

Message Release Period

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Use this display to create your own custom message for the bottom display message.

You can pick from either 20 pre-set images, such as "30" or "DANGER" or write your own text, with various different fonts and appearance effects.

There is also a function that allows users to display a certain message at a specific time, for example, the unit can display "SCHOOL" during school hours only.

Data processing software:

Based on raw data captured by the radar speed sign (device memory = 6 months), you can generate charts about :
- amount of vehicles
- average and maximum speeds
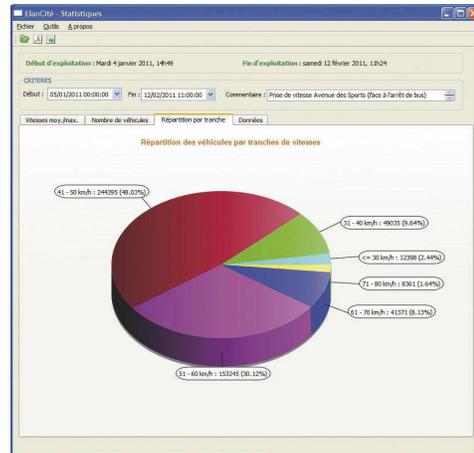- Distribution of vehicles by speed range

Available functions:
– Export the raw file and the chart under Excel
– Export as a Pdf file
– Compilation of files concerning several measurement session

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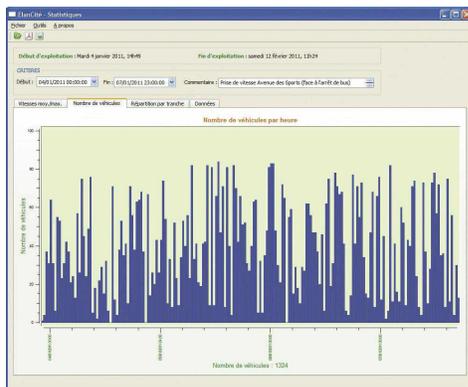**Tel 01254 234 248   Fax 01254 234 249**

Examples of generated charts:

Average and Maximum Speed:

Distribution of cars by speed range:

Amount of Cars:

TECHNICAL DATASHEET

Radar Antenna	
Doppler Radar	24,125 Ghz
Detection range	10-250 meters
Detection angle	17°
Accuracy	+/- 1 km/h
Display	
LED	3 digits
Colors	Red/amber/green
Size of digits	33 cm
Text display (Matrice)	64 x 16 cm (60 x 16 pixels) 1 line of 7 characters 16cm high 2 lines of 10 characters 7cm high
Visibility	250m
Refresh	1,2 seconds (configurable)
Casing	
Dimensions	700*709*170 mm
Casing	Injected ABS resin, grey RAL 7035
Front face	Polycarbonate
Waterproof	IP66
Connections	
USB	USB2
Wireless	Bluetooth, GPRS
Power Supply	
Battery	12 V / 17 Ah
Autonomy	Compact : 7/ 14 days Matrice : 4/ 8 days
Recharge	Solar, public lighting, mains

For More Information call 08450 777 778