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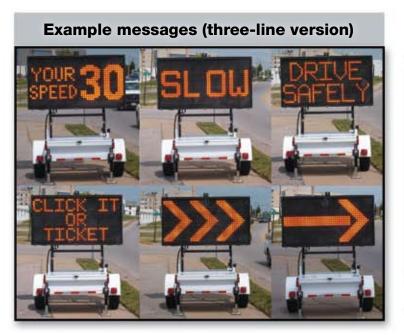
Speed Monitor™ Full Matrix Message Trailer

Need to display messages and control speed? You need the Speed Monitor Full Matrix Trailer.

- ✧ Custom message or a speed display mode can easily be entered using the supplied hand controller.

- ✧ Speed-based message override allows custom messages to be displayed based on vehicles peeds.

- ✧ Two-line and three-line versions of the trailer are available.

- ✧ See-through design makes deployment safe even in areas with pedestrian traffic.

- ✧ Folds down to 40-inch height (using maintenance-free counterweight) for easy towing

- ✧ Advanced approach-only directional radar included.

- ✧ Graffiti-resistant power-coat paint and vandal-resistant features, including locked storage area.

The Speed Monitor Full Matrix Trailer combines customized messaging and speed control capabilities into a single device. The Trailer has a full-graphics display sign capable of displaying one, two, and three-line messages or graphic characters. The on-board radar allows the trailer to switch to a speed-related message (like "Your Speed is XX" or "SLOW DOWN") whenever the over speed threshold is exceeded. The library of standard messages covers most situations, but the messages can be tailored to any need. The unit comes standard with a 100 Watt solar charging system and AC battery charger. Optional equipment includes extra batteries and a traffic computer.

Example messages (three-line version)

Two-line version and three-line version

Speed Monitor™ Full Matrix Message Trailer

Summary Specifications

Description: The Speed Monitor Full Matrix Message Trailer is a complete full-graphics messaging trailer with an integrated radar systems. The combination of the two devices allows the trailer to function as a traditional message trailer, as a speed display trailer, or as a message trailer which changes its message based on the speed of oncoming vehicles, allowing special advisory messages. The trailer is powered by an internal battery bank, which is recharged via solar and/or the 110 VAC battery charger. The trailer is available in a two-line or three-line version.

Trailer:

❖ Dual 4'x6' frame constructed with 11 gauge 2" square tubing. All wiring concealed in frame.

❖ Steel utility box (36"x43"x12") provides a weatherproof enclosure for batteries, charger, sign storage, etc. Will accept optional traffic computer.

❖ Display folds and raises easily, assisted by abalanced counter-weight. Display can be seen above traffic, yet the trailer is easily towed between sites.

❖ Durable graffiti-resistant white paint.

❖ Two inch ball hitch continuously welded onto 2"x2"11 gauge square tube tongue. Other hitches available.

❖ Four adjustable jacks for best leveling and stability.

❖ 14"185R14 automotive radial tires mounted with locking lug nuts.

❖ Leafspring suspension for superior cushioning.

Display:

❖ Choice of displays, one supporting one-line and two-line messages, or a larger display that supports three-line messages as well.

❖ Constructed with Super-bright amber light emitting diodes (LEDs).

❖ Viewing distance of over 1250 feet.

❖ Durable, vandal-resistant Lexan® display window is textured to minimize glare.

❖ Three-line display is 75"x41" and the two-line display is 75"x31".

❖ The unit has 92 preprogrammed message plus arrows and symbols. 40 additional custom messages can be programmed and saved using the supplied handheld terminal.

Radar:

❖ Ka-band radar system with patented Automatic Same Direction (ASD) technology, rejects speeds of all opposing lane traffic.

❖ Overspeed setting allows sign to switch to a second message and/or display a vehicle speed when the vehicle exceeds a programmable speed limit.

❖ 1000 ft. range (typical vehicle).

❖ 25 mW transmitter power.

❖ 12 degree antenna beam width.

❖ Type accepted under FCC Part 90.

❖ Operating temperature range of -22°F to 160°F.

Power:

❖ 100 Watt solar panel.

❖ Two internal batteries with 110 VAC charger standard.

❖ Additional batteries available.

Options:

❖ Traffic statistics computer with radar data interface.

❖ Axle bar lock.

❖ Anti-theft motion alarm with remote control unit.

❖ Spare tire, wheel, and mount.

❖ Protective cover with straps

Handheld programming terminal included

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