SOLARTECH ®
Harness the Power of the Sun

SILENT MESSENGER
DOUBLE-SIDED MESSAGE BOARD

MERGE LEFT

MB-122-3048   MB-222-3048

Powerful Control Technology included with each unit:

### MEGA-TECH TOUCHSCREEN CONTROLLER

- Intuitive, 10.4" LCD touch-screen GUI.
- So easy to operate that no instructions are needed!
- Multi-lingual capability allowing use throughout the world.
- Message scheduler for date/time and event-based messages.
- NTCIP compatibility for fast, simple integration into standard ITS installations.
- Integrated GPS receiver.
- USB "thumb drive" interface for fast, easy software updates (via the SolarTech website), as well as data collection (with optional Radar).

Remote Control and Diagnostics (with Modem Option)

COMMAND CENTER
Manage, Monitor and Segment your Fleet of Traffic Safety Equipment
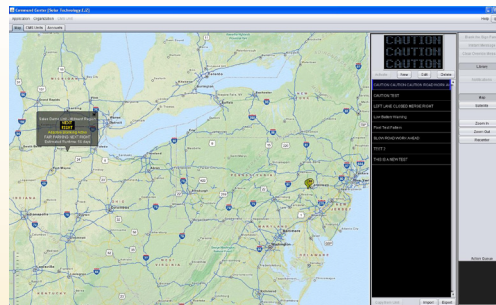
- GPS mapping of all units
- Group control and management of fleet
- Limit Liability - permanent log records what messages are displayed, and when
- Automatic notifications and alerts
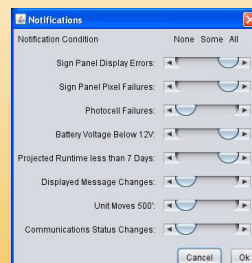
- Be notified of message change, location change, low battery, etc.
- Improve worker and driver safety
- Make fewer trips to the site by using remote diagnostics
- Have less "down time"

SMARTPHONE CONTROL

- Full control of your message board from your smartphone.
- No software or apps required.
- Totally secure - IP Address, user name and password required.
- Messaging - system status, geo-location and diagnostics accessible from anywhere that your smartphone works.

310-SIGN

Have any questions about these products? **Speak to an expert at 310-SIGN**.

📞 Toll Free North America **1-844-289-7446**

@ hello@310sign.ca

310SIGN.CA

DISPLAY PANEL

	122/222 Boards	123/223 Boards
Panel Size	92" x 54"	78" x 46"
	(234 cm x 137 cm)	(198 cm x 117 cm)
Panel Construction	All aluminum, modular construction	
Matrix Size	27 x 48 pixels	27 x 48 pixels
Pixel Pitch	1.77" x 1.77"	1.50" x 1.50"
	(45 mm x 45 mm)	(38 mm x 38 mm)
Characters per Line	Up to twelve (12)	Up to twelve (12)
Number of Lines	Up to four (4)	Up to four (4)
Number of Fonts	Twelve (12)	Twelve (12)
Character Height	9" to 46"	7.5" to 39"
	(23 cm to 117 cm)	(19 cm to 99 cm)
Graphics Capability	Full matrix with full animation	
Display Technology	LED (amber, 592 nm)	
Display Brightness	>10,000cd/m2 (candela per sq. meter)	
Display Life Expectancy	10 years	
Lifting Mechanism	2,000 lb. capacity electro-hydraulic	
Sign Panel Rotation	Greater than 360 degrees	
Sign Panel Height (Operating)	162" (412 cm)	108" (274 cm)

TRAILER

	MB-122/123-3048	MB-222/223-3048
Length Overall	180" (457 cm)	134" (341 cm)
Width Overall	92" (234 cm)	75" (191 cm)
Width Across Fenders	92" (234 cm)	75" (191 cm)
Height Traveling	103" (262 cm)	90" (229 cm)
Height Operating	162" (412 cm)	90" (299 cm)
Ground Clearance	13" (33 cm)	13" (33 cm)
Weight	2,700 lbs (max)	2,550 lbs (max)
	(1,225 kg) approx.	(1,361 kg) approx.
Coupler (Class III)	2" (50 mm) ball or	2" (50 mm) ball or
	3" (76 mm) pintle ring	2.5" (64 mm) pintle ring
Brake Actuator	5,000 lb. (2,268 kg) reverse surge	
Axle/Suspension	Torq flex, independent	

ENERGY SOURCE

	MB-122/123-3048	MB-222/223-3048
Operating Voltage	12 volts DC (nominal)	
Battery Type	6 volt heavy duty, deep cycle (GC-2)	
Number of Batteries	Twelve (12)	Eight (8)
Battery Bank Capacity	1,560 amp hours	1,040 amp hours
Battery Status Indicator	Displays battery voltage, charging activity, and low battery condition	
Solar Array Construction	Top mounted solar panels in aluminum frame	
Solar Array Power Output	320W (nominal)	
Solar Charge Controller	Automatic, temperature compensated	
Auxiliary Battery Charger	45 Amp,120 volt AC line powered	

MEGA-TECH CONTROL CONSOLE

Console Circuitry	Ultra-low-power solid state
Console Touchscreen	Waterproof, backlit, full color GUI, intuitive icon-driven, multi-lingual
Programming Software	Proprietary, field upgradable
Message Capacity	Pre-programmed and user programmed- greater than 250 each
Time/Date Control	Real time clock/calendar (365 day)
Message Display Time	User-selectable (0.1 to 99 seconds)
Display Update Time	Instantaneous
Non-volatile Memory	512MB Compact Flash
Password Protection	User-selectable, multi-level
Operator Interface	Easy-to-use icons (no instruction manual required)
Connectivity	Network (wired or wireless), NTCIP compatible
GPS	Integrated GPS receiver

OPTIONAL FEATURES AND UPGRADES

Battery Upgrades

- Model 222 or 223: Eight (8) maintenance free (gel-cell or AGM) - 1,040 AH capacity
- Model 122 or 123: Twelve (12) maintenance free (gel-cell or AGM) - 1,560 AH capacity

Display

- Amber Mega Flux wide angle LEDs - 60° viewing angle
- Red Mega Flux wide angle LEDs - 60° viewing angle

Battery Charger Option

- 90 amp - 120 volt AC
- 55 amp - 230 volt AC
- 40 amp - 230 volt AC

Remote Control Options

- Short-Range Wireless - 802.11 wifi
- Cellular Wireless - GPRS (CDMA/GSM) with GPS

Radar Options

- Directional doppler K-Band. User-configurable KPH or MPH. Data Collection and Statistical Analysis Package included.

OTHER SOLAR TECH PRODUCTS

SILENT SENTINEL
Trailer and Vehicle Mount Arrow Boards

SILENT MESSENGER
Full-Size Trailer Mount Message Boards

SILENT MESSENGER II
Mid-Size Trailer and Vehicle Mount Message Boards

SILENT MESSENGER III
Small-Size Trailer and Vehicle Mount Message Boards

SILENT MESSENGER IV
Small-Size Trailer and Vehicle Mount Message Boards

SILENT ADVISOR
Low and High-Speed Application Radar Speed Trailers

INCIDENT RESPONSE TRAILER
Work Zone Trailer with Cones and Barrels

SOLAR-POWERED PORTABLE TOWER TRAILER
Platform for Cameras, Sensors and/or Lighting

SOLARTRAK
Monitoring and GPS Tracking of Construction Equipment

All models meet or exceed the standards for Portable Changeable Message Signs as listed in the U.S. Federal Highway Administration (FHWA) Manual or Uniform Traffic Control Devices (MUTCD). Specifications subject to periodic updates as required without notice.

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