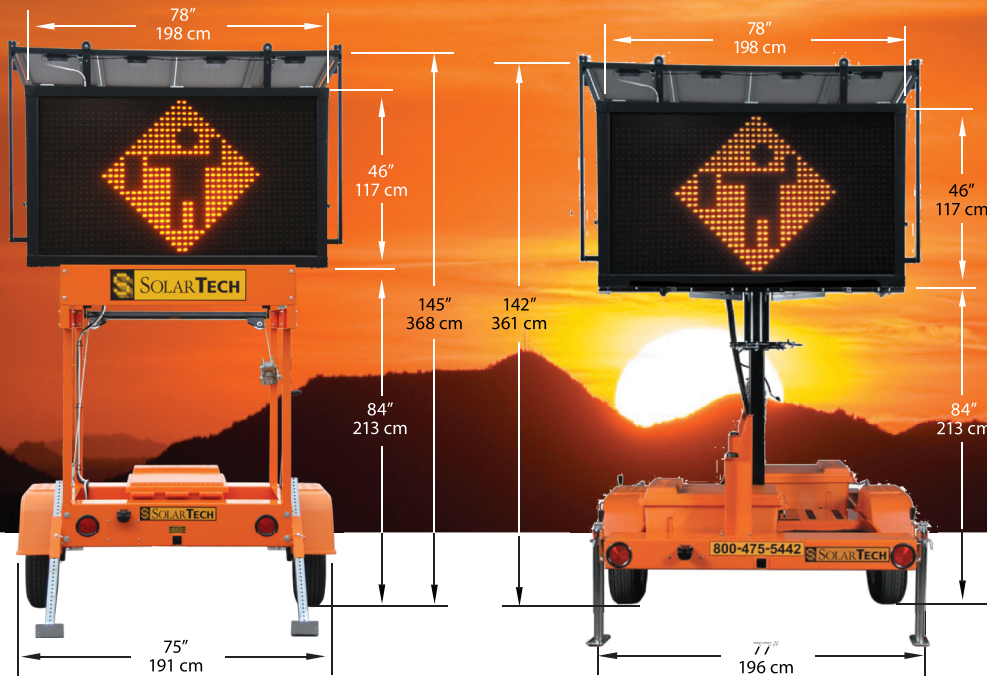




Harness the Power of the Sun

# SILENT MESSENGER III

DYNAMIC MESSAGE SIGNS  
FOR LIMITED-SPACE APPLICATIONS



## Powerful Control Technology included with each unit:

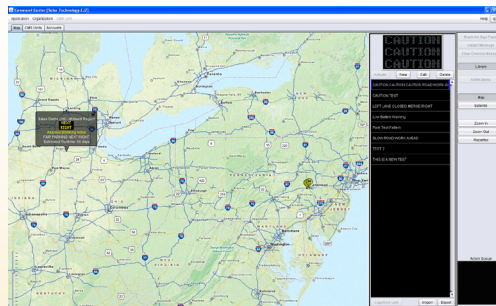


- Intuitive, 10.4" LCD touch-screen GUI.
- So easy to operate that no instructions are needed!
- Multi-lingual capability allowing use throughout the world.
- Message scheduler for date/time and event-based messages.
- NTCIP compatibility for fast, simple integration into standard ITS installations.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

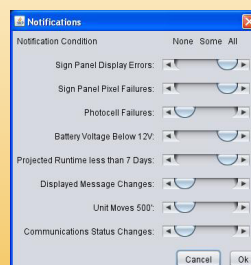
## Remote Control and Diagnostics (with Modem Option)

### 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 PANELS

Panel Size .....	78" wide x 46" high (198 cm x 117 cm)
Pixel Size.....	1.50" x 1.50" (38 mm x 38 mm)
Character Height .....	7.5" to 39" (19 cm to 99 cm)
Matrix Size .....	27 x 48 pixels
Panel Construction .....	All aluminum, modular construction
Panel Face .....	3/16" polycarbonate, non-glare
Characters per Line .....	Up to twelve (12)
Number of Lines .....	Up to four (4)
Number of Fonts .....	Twelve (12)
Graphics Capability .....	Full matrix with full animation
Display Technology .....	LED (amber, 592 nm)
Display Brightness .....	>10,000 cd/m2 (candela per square meter)
Display Life Expectancy .....	10 years typical
Viewing Angle .....	23° horizontal (minimum)

## TRAILER

### Standard Trailer

### Lift & Rotate Trailer

Length Overall (operating)	112" (284 cm)	108" (274 cm)
Length Overall (towing)	112" (284 cm)	152" (386 cm)
Width Overall	92" (234 cm)	77" (196 cm)
Width Across Fenders	75" (190 cm)	77" (196 cm)
Height Traveling	92" (234 cm)	101" (257 cm)
Ground Clearance	13" (33 cm)	13" (33 cm)
Height Operating	142" (360 cm)	142" (360 cm)
Weight of MB III Panel	1,182 lbs (536 kg) approx.	1,622 lbs. (735 kg) approx.
Coupler	2" (50 mm) ball or 2.5" (64 mm) pintle ring	2" (50 mm) ball or 3" (76 mm) pintle ring
Lifting Mechanism	1,000 lb. automatic brake, winch and cable	1,000 lb. electric linear actuator
Axle/Suspension	Torq flex, independent	Torq flex, independent

## ENERGY SOURCE

Operating Voltage .....	12 volts DC (nominal)
Battery Type .....	6 volt heavy duty, deep cycle (GC-2)
Number of Batteries .....	Two (2) standard lead acid (flooded)
Battery Bank Capacity .....	260 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 .....	Standard 160 watt (nominal)
Solar Charge Controller.....	Automatic, temperature compensated
Aux. Battery Charger .....	45 Amp, 120 volt AC

## 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 manual required)
Connectivity .....	Network (wired or wireless) & NTCIP compatible

## OPTIONAL FEATURES AND UPGRADES

### Sign Panel Upgrades

- Mega Flux Display - 60° viewing angle (available for all models)

### Brakes

- Hydraulic surge brakes (5,000 lb. capacity)
- Electric brakes

### Battery Upgrades

Type	Number	Capacity
Lead-Acid (flooded)	Four (4)	520 amp hour
	Six (6)	780 amp hour
	Eight (8)	1040 amp hour
Gel Cell or AGM (maintenance free)	Two (2)	260 amp hour
	Four (4)	520 amp hour
	Six (6)	780 amp hour
	Eight (8)	1040 amp hour

### Solar Array Upgrades

- 240 watt
- 320 watt

### Remote Control Options

- Short range wireless - 802.11 WiFi
- Cellular Wireless - GPRS (CDMA/GSM) with GPS
- Solar Comm - secure, low cost GSM

### Security Options

- Alarm, including GPS Locator/Recovery System
- Battery box metal lockdown frame

### 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 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 and Flashing Arrow Panels 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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