

# Silent Sentinel

## PRODUCT GUIDE

### Arrow Board 15 or 25 Lamp Models

The “Silent Sentinel” Arrow Board is widely used for both construction and general traffic control. Sturdy and portable, this Arrow Board is available in 15 or 25 lamp configurations. The Arrow Board comes with a 96” w x 48” h display panel on a rugged steel trailer with a wide footprint for better stability, powered by a combination of solar panels and batteries. The torsion axle provides better ground clearance.

### OPTIONAL REMOTE COMMUNICATIONS

When choosing this option, the Arrow Board will come with a GPS receiver, a cellular transceiver, and **FREE lifetime cellular service\***.

Use with Command Center software to manage your fleet from your laptop, PC, or Smartphone...without leaving your desk! With the remote communications package you can:

LOCATE your board via Command Center’s maps

SEE HISTORY of what was displayed and when

SEE Battery Voltage

CONTROL units individually or as a group

VIEW and SCHEDULE arrow patterns

RECEIVE automatic email notifications

**Keep tabs on your whole fleet. No more misplaced equipment... fewer problems... less downtime!**

#### 15 LAMP MODELS

MODEL	SOLAR ARRAY
AB-0515	50 Watt
AB-0715	110 Watt

#### 25 LAMP MODELS

MODEL	SOLAR ARRAY
AB-0525	50 Watt
AB-0725	110 Watt

Vehicle-mounted Arrow Boards are also available. See website for a handy Configuration Guide.

### EASY TO USE CONTROLLER

#### Control Module Displays:

- » Battery Level
- » Lamp Intensity
- » Solar Charger Status
- » Cellular Status
- » GPS Status



#### Optional Side Rail Mounted Controller

Installed on side rail at eye level. Access the controller without opening battery box. Keep battery box locked - reduce theft.



Learn more at [www.solartechtechnology.com](http://www.solartechtechnology.com)

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## Arrow Board 15 or 25 Lamp Models

### AVAILABLE OPTIONS

#### Battery Upgrades:

- » Four (4) Standard Flooded
- » Two (2) Maintenance-free Gel Cell or AGM
- » Four (4) Maintenance-free Gel Cell or AGM

#### Optional Remote Communication:

- » Remotely access and track your arrow board.
- \* With this option, cellular service is provided free of charge, and it is limited to carrier supported generational wireless technology.

#### Optional Side-Mount Controller:

- » Side-Mount Controller brings controls to eye-level and away from battery box.

#### Auxiliary Battery Chargers:

- » 45 amp, 120 volt AC
- » 55 amp, 120 volt AC

#### Other Options:

##### Battery Security:

- » Anti-theft steel battery frame bolted to trailer
- » Vandal-Proof Battery Box reinforced steel cage

**Brakes:** Electric Brakes

#### Custom Colors and Canadian versions available

All models meet or exceed the standards for Flashing Arrow Panels as listed in the U.S. Federal Highway Administration (FHWA) Manual on Uniform Traffic Control Devices (MUTCD).

#### Display

Panel Size .....	96" x 48" (244 cm x 122 cm)
Panel Construction.....	All aluminum with welded frame
Panel Finish .....	Matte black baked enamel finish
Lamp Intensity.....	1,000 Candela (typical), 750 Candela (min.)
Lamp Beam Angle .....	30° horizontal x 6° vertical (minimum)
Lamp Construction .....	LED (20 per lamp ) in unbreakable sealed polycarbonate housing
Lamp Shrouds.....	360° high-impact plastic
Rear Panel Indicators.....	Three (3) LED
Lamp Dimensions.....	5" (12.7 cm) diameter
Lamp Life Expectancy.....	100,000 hours minimum, 200,000 hours (typical)

#### Trailer

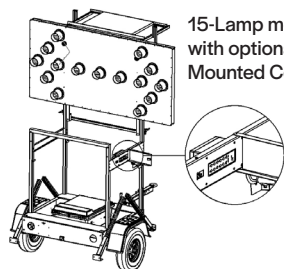
Length Overall.....	111" (254 cm)
Length Operating.....	122" (310 cm)
Length.....	53" (135 cm) excluding tongue
Width Overall.....	96" (244 cm)
Width Across Fenders.....	75" (190 cm)
Height Traveling.....	92" (234 cm)
Height Operating.....	137" (348 cm)
Ground Clearance .....	13.5" (34 cm)
Weight (approx).....	1,200 lbs. (544 kg)
Coupler.....	2" ball (50 mm) or 3" (76.2 mm) pintle ring
Lifting Mechanism .....	1,000 lb. (454 kg) capacity (minimum) automatic brake winch and cable

#### Controller

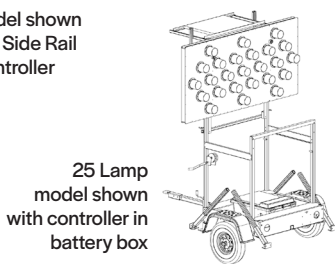
Controller Circuitry .....	Solid-state charge controller
Power Consumption .....	Without lamps: <0.5 watts; with GPS & Cell: <1.3 watts
Lamp Patterns.....	All standard 15 & 25 lamp flashing & sequential
Lamp Flash Rate.....	30 per minute
Lamp Dimming.....	Manual and automatic
Lamp Dimming Ratio .....	50%, fully dimmed at approx. 5 footcandles
Lamp Power Drivers.....	Current limited and thermal overload protected with "soft start" feature
Voltage Disconnect .....	Low disconnect at 10.70 volts, high at 15.10 volts

#### 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)
with Auxiliary Batteries .....	Four (4) standard lead acid (flooded)
Battery Capacity .....	260 amp hours
with Auxiliary Batteries .....	520 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.....	50 or 110 watts - field-upgradable
Solar Charge Controller .....	Fully automatic, temperature compensated



15-Lamp model shown with optional Side Rail Mounted Controller



25 Lamp model shown with controller in battery box



Arrow panel folds for transport.



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