



# Silent Sentinel Arrow Board 15 or 25 Lamp Models

## USES AND ADVANTAGES

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 COMMUNICATION

When choosing this option, your 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 Battery Voltage
- VIEW and SCHEDULE arrow patterns
- SEE HISTORY of what was displayed and when
- CONTROL units individually or as a group
- RECEIVE automatic email notifications

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



## EASY-TO-USE CONTROLLER



### Control module displays:

- Battery level
- Solar charger status
- Lamp intensity
- Cellular status
- GPS status

Arrow and warning patterns can be set with the press of a button.

Automatic fault protection is built in.

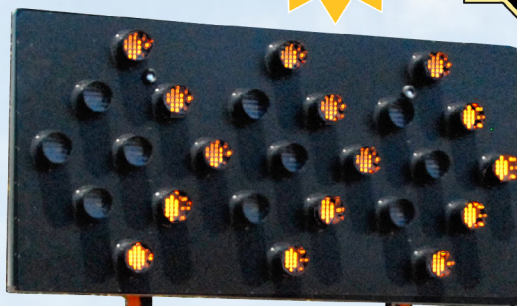
## ECO MODEL: OPTIONAL SIDE RAIL MOUNTED CONTROLLER



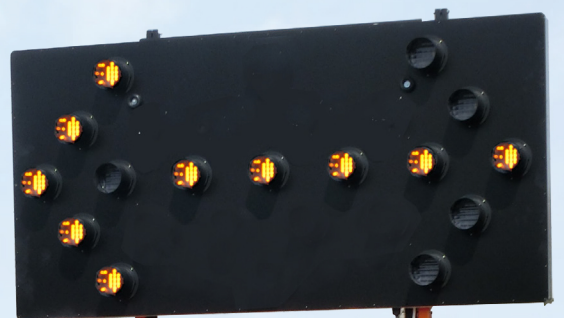
Installed on side rail of trailer at eye level.

Access the controller without opening battery box.

Keep battery box locked - reduce theft.



25 Lamp



15 Lamp

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.

# Silent Sentinel Arrow Board

## 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

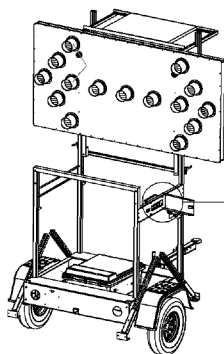
Length Overall (towing) .....	111" (282 cm)
Length Operating .....	122" (310 cm)
Length (excluding tongue) ...	53" (135 cm)
Width Overall .....	96" (244 cm)
Width Across Fenders .....	75" (190 cm)
Height Traveling .....	92" (234 cm)
Height Operating .....	137" (348 cm)
Ground Clearance .....	13.5" (34 cm)
Weight (approx) .....	1,200 lbs. (544 kg)
Coupler .....	2" ball (50 mm) or 2.5" (64 mm) pintle ring
Lifting Mechanism .....	1,000 lb. (454 kg) capacity (minimum) automatic brake winch and cable

## CONTROLLER

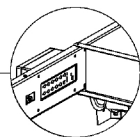
Controller Circuitry .....	Solid-state charge controller
Power consumption .....	Without lamps: < 0.5 watts With GPS & Cell: < 1.3 watt
Lamp Patterns .....	All standard 15 & 25 lamp flashing & sequential
Lamp Flash Rate .....	30 per minute
Lamp Dimming .....	Manual and automatic
Lamp Power Drivers .....	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 .....
Battery Capacity .....	Four (4) standard lead acid (flooded) 260 amp hours with Auxiliary Batteries .....
Battery Status Indicator .....	520 amp hours 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
Solar Charge Controller .....	Fully automatic, temperature compensated



15-Lamp model shown with optional Side Rail Mounted Controller



Arrow panel folds for transport.



## AVAILABLE OPTIONS

### BATTERY UPGRADES

- Four (4) standard Flooded
- Two (2) maintenance-free Gel Cell or AGM
- Four (4) maintenance-free Gel Cell or AGM

### AUXILIARY BATTERY CHARGERS

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

### OPTIONAL REMOTE COMMUNICATION

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

### OPTIONAL SIDE-MOUNT CONTROLLER

The ECO Arrow Board 15 and 25 Lamp Models includes a side-mounted controller, offering controls at eye-level and away from battery box.

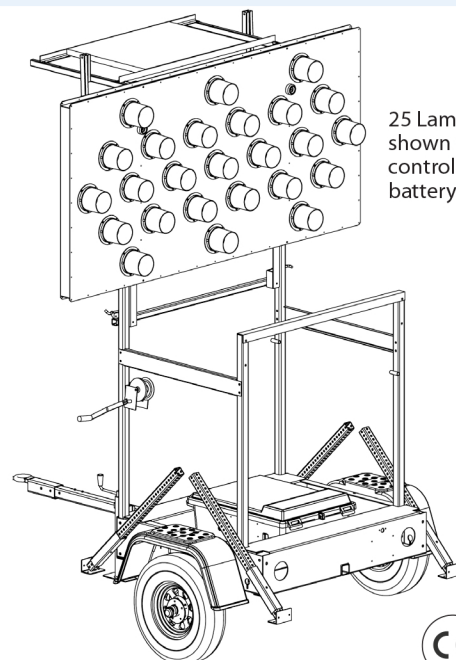
### OTHER OPTIONS

**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).



25 Lamp model shown with controller in battery box



SCAN ME



Made in the USA



**SOLAR TECHNOLOGY, INC.**  
7620 Cetronia Rd. Allentown, PA 18106  
Phone: 800-475-5442 or 610-391-8600

P/N 500-025-010 Rev. 1 2022

[www.solartechology.com](http://www.solartechology.com)