



As Reliable as the Sun



# Silent Sentinel Arrow Board

## 15 or 25 Lamp Models

### USES AND ADVANTAGES

The "Silent Sentinel" Arrow Board is widely used for both construction and for 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 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.

### FREE REMOTE COMMUNICATION

Remote Access and GPS Tracking are now standard, thanks to the built-in GPS and modem and **free** cellular service for the life of the arrow. Now you can:

- LOCATE your arrow using GPS co-ordinates
- SEE Battery Voltage from your desk
- SEE HISTORY of what was displayed and when

Free remote access plus our 5 Year Bumper-to-Bumper Warranty makes our Arrow Board **A Better Board**.



### EASY-TO-USE CONTROLLER

Control module displays :

- Battery level
- Solar charger status
- Lamp intensity



Arrow and warning patterns can be set with the press of a button. Automatic fault protection is built in.



### OPTIONAL CONTROLLER: SIDE RAIL MOUNTED CONTROLLER

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

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



25 Lamp Standard Trailer



15 Lamp Standard Trailer with optional large rear crossmember

15 Lamp Models

Model	Solar Array
AB-0515	40 Watt
AB-0715	80 Watt

25 Lamp Models

Model	Solar Array
AB-0525	40 Watt
AB-0725	80 Watt

# 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 (21 per lamp) in unbreakable sealed polycarbonate housing
Lamp Shrouds .....	360° high-impact plastic
Rear Panel Indicators .....	Three (3) LED

## TRAILER

Length Overall .....	100" (254 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 .....	134" (340 cm)
Ground Clearance .....	13.5" (34 cm)
Weight (approx) .....	1,180 lbs. (535 kg)
Hitch.....	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 .....	Ultra-low power solid state
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) protected by anti-theft steel security frame and hardware
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
Battery Security.....	Anti-theft steel battery frame bolted to trailer
Solar Array Construction .....	Top-mounted solar panels in aluminum frame
Solar Array Power Output.....	40 or 80 watts - field-upgradable
Solar Charge Controller.....	Fully automatic, temperature compensated

## AVAILABLE OPTIONS

### BATTERY UPGRADES

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

### AUXILIARY BATTERY CHARGERS

- 45 amp, 120 volt AC line-powered: recharges batteries in less than 9 hours
- 40 or 55 amp, 230 volt AC line-powered: recharges batteries in less than 9 hours.

### OPTIONAL SIDE-MOUNT CONTROLLER

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

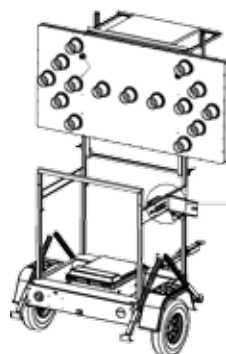
### OTHER OPTIONS

**Security:** Vandal-Proof Battery Box reinforced steel cage

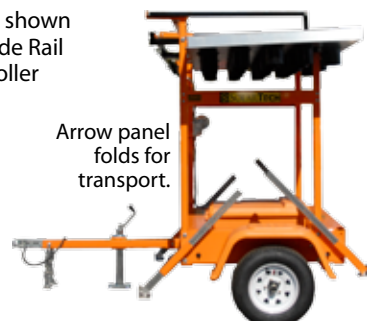
**Brakes:** Electric Brakes

Custom Colors and Canadian versions available

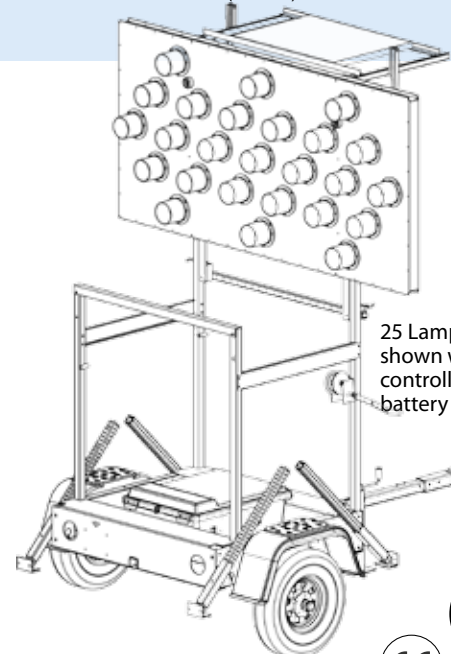
All models meet or exceed the standards for Flashing Arrow Panels as listed in the U.S. Federal Highway Administration (FHWA) Manual on Uniform Traffic Control Devices (MUTCD).



15-Lamp model shown with optional Side Rail Mounted Controller



Arrow panel folds for transport.



25 Lamp model shown with controller in battery box

**A Better Board**



1625 Spectrum Drive, Suite 100  
Lawrenceville, GA 30043  
770.962.2222