



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, powered by a combination of solar panels and batteries. .

Remote Control and GPS Tracking are available. Vehicle-mounted Arrow Boards are also available.

EASY-TO-USE CONTROLLER



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

Automatic fault protection is built in.

Integral Solar Charge Controller is automatic and temperature compensated.

Control module displays :

Battery level

Solar charger status

Lamp intensity.

PAR 46 LED LAMP: THE BRIGHTEST!

Independent lab tests confirm that the custom LED lamps used in these arrows are the brightest in the industry, and have the greatest overall angularity.



BONUS: Lamps are protected by an unprecedented 10 Year Warranty!



Wireless Controller



Side Rail Controller

OPTIONAL CONTROLLERS

WIRELESS CONTROLLER

Allows messages to be easily changed without exposure to passing traffic, minimizing the risk to the user.

Installs quickly without wiring.

Each controller is paired with a specific arrow panel - safe and reliable.

SIDE RAIL MOUNTED CONTROLLER

Installed on side rail at eye level.

Access the controller without opening battery box.



15 Lamp



25 Lamp

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

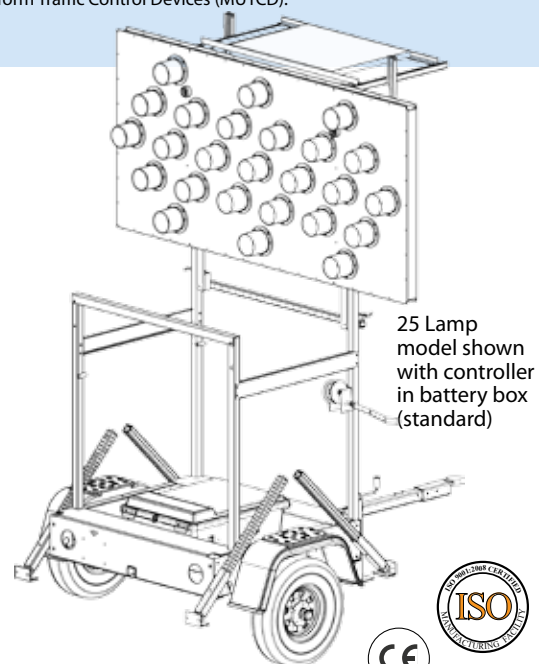
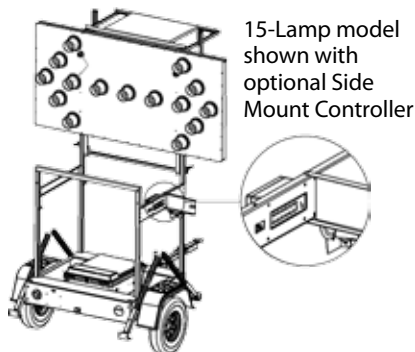
Length Overall	100" (254 cm)
Length.....	53" (135 cm) excluding tongue
Width Overall	96" (244 cm)
Width Across Fenders.....	75" (190 cm)
Height Traveling	92" (234 cm)
Height Operating	134" (340 cm)
Ground Clearance	13.5" (34 cm)
Weight (approx)	1,180 lbs. (535 kg)
Hitch.....	2" ball (50 mm) or 2.5" (64 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).



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