



As Reliable as the Sun

Silent Sentinel MTO Arrow Board 15 Lamp Models

USES AND ADVANTAGES

The "Silent Sentinel" MTO Arrow Board is widely used for both construction and for general traffic control. Sturdy and portable, this Arrow Board is available with 15 lamps. This sign comes with a 96" w x 48" h panel on a rugged steel trailer, powered by a combination of solar panels and batteries. .

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

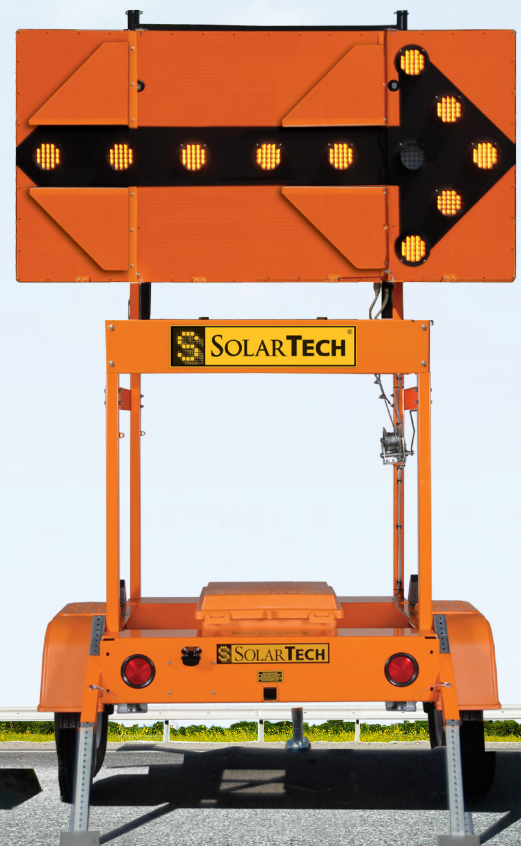
Installed on side rail at eye level.

Access the controller without opening battery box.



Model Solar Array

AB-0515 MTO 40 Watt
AB-0715 MTO 80 Watt



Silent Sentinel MTO Arrow Board

LAMP PANEL

Panel Size	96" x 48" (244 cm x 122 cm)
Panel Construction	All aluminum with welded frame
Panel Finish	Matte black baked enamel finish
Number of Lamps	15
Lamp Intensity	1,000 Candela (typical), 750 Candela (minimum)
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 excluding Tongue	53" (135 cm)
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	1,180 lbs. (535 kg) approximately
Hitch	2" ball (50 mm) (Class II) 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 lamp flashing and sequential
Lamp Flash Rate	30 per minute
Lamp Dimming	Manual and automatic
Lamp Dimming Ratio	50%, fully dimmed at approx. five footcandles
Lamp Power Drivers	Current limited and thermal overload protected with "soft start" feature
Low Voltage Disconnect	10.70 volts
High Voltage Disconnect	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 full charge, normal 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



Anti-theft steel battery frame



With Flaps Open



With Flaps Closed

AVAILABLE OPTIONS

BATTERY UPGRADES

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

AUXILIARY BATTERY CHARGERS

- 45 amp, 120 volt AC line-powered: recharges batteries in less than 9 hours

TRAFFIC CONE CARRIER

- Holds standard 18" (46 cm) and 28" (71 cm) cones

SIDE-MOUNT CONTROLLER

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

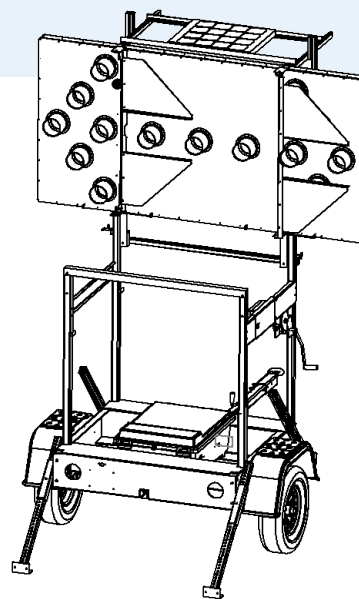
OTHER OPTIONS

Security: Vandal-Proof Battery Box reinforced steel cage

Brakes: Electric Brakes

Custom Colors available

MTO
APPROVED
Since 1996



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