



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. .

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.



### 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 and 25 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



## 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

### REMOTE COMMUNICATIONS PACKAGE

Remote control and GPS Tracking available with SolarComm modem

### OTHER OPTIONS

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

**Brakes:** Electric Brakes

Custom Colors available



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

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

