Silent Informer
Flashing Beacon Trailer
FBT-2000

USES AND ADVANTAGES

Often integrated as part of an Intelligent Transportation System (ITS), the Flashing Beacon Trailer alerts motorists to upcoming work zones, road conditions, and other hazards.

Sensors placed within the ITS configuration transmit information via short range radio or cellular transceiver to the Flashing Beacon Trailer. When triggered by a specific instance or occurence, sensors notify the FBT-2000 to activate the flashing beacons.

ITS solutions where an FBT-2000 integration is recommended include:

Congestion Advisory System

Dynamic Merge System

Overheight Detection System

Vehicle Ingress Notification System

Worker Presence Detection System

The Flashing Beacon Trailer can also be deployed as a stand-alone solution. Easy to set up and program, this trailer plays in important role in temporary traffic calming and motorist/workzone safety.

TRANSPORTABLE AND CUSTOMIZABLE

Built on a sturdy steel trailer, the Flashing Beacon Trailer is easily transportable, and can be set up and ready for use in a few simple steps.

The FBT-2000 uses highly visible flashing LED beacons, which are powered by a combination of solar panels and batteries, providing continuous operation. Flashing intervals can be changed/customized directly on the unit.

The FBT-2000 is available in two configurations: beacons horizontally centered on top/bottom of sign; or mounted left/right of the regulatory/traffic signs.

Signage is customizable, allowing up to 3 static signs to be mounted on the trailer. The maximum height and width of the signs should not exceed 75 inches (190 cm). Static signs can be installed by the user, or can be ordered and installed by the SolarTech team.

REMOTE COMMUNICATIONS OPTION

When choosing this option, the FBT-2000 will come with a GPS receiver, cellular transceiver, and **FREE lifetime cellular service***. Use with SolarTech's Command Center software to track and manage your equipment from your PC, laptop, or smartphone.

FLASHING BEACON TRAILER FEATURES:

- Truly Solar Powered - Engineered for continuous operation
- Highly visible flashing beacons
- CE Marked - Insures complete electromagnetic compliance for superb reliability
- Modular Construction - Easy maintenance and repair

5 Year LIMITED **Warranty** SINCE 2009

OPTIONAL LIFETIME CELLULAR SERVICE!

FBT-2000

Beacons installed top/middle.
Signs not included.

SPEED LIMIT 45 WHEN FLASHING

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SIGN INSTALLATION AREA

Sign Maximum Width...............................75" (190 cm)
        Maximum Height.............................75" (190 cm)
Sign Installation Area
        Maximum Sign Area........................25 ft^2 (2.3m^2)
Panel Size ....36" x 29" (92 cm x 74 cm)
Panel Construction.....................................All aluminum, modular construction
Number of Signs ....Up to 3 signs

BEACON LAMPS

Type of Lamps...12" diameter, circular amber LED lamps
Number of Beacon Lamps......................Two (2)
Display Technology....................................LED (amber, 589 nm)
LED Life Expectancy..................................100,000 hours
Flash rate..50-60 per minute, configurable

TRAILER

Length Overall (Operating)....................122" (310 cm)
Length Overall (Towing)...........................159" (404 cm)
Width Overall ....56" (142 cm)
Height Traveling...95" (241 cm)
Height Operating.......................................180" (457 cm)
Ground Clearance ....13" (33 cm) min.
Weight...1,600 lbs (726 kg) approximately
Coupler ....adjustable height; either 2" (50 mm) ball or
                                                                         3" (76.2 cm) pintle ring
Axle Suspension ....Torq flex, independent
Display Height...7 feet (213 cm) to bottom of sign area

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) lead acid (flooded)
Battery Bank Capacity ....260 amp hours
Battery Status Indicator...........................Displays battery voltage, charging activity
                                                                         and low battery condition
Solar Array Construction........................Top mounted in aluminum frame
Solar Array Power Output.......................Standard 110 watt (nominal)
Solar Charge Controller ....Automatic, temperature compensated, MPPT
                                                                         (Maximum Power Point Tracking)

FBT-2000
SIDE VIEW, NO SIGNS
INSTALLED

Custom colors available

FBT-2000
FOLDED FOR TRANSPORT

OPTIONS AND UPGRADES

MICROTECH CONTROLLER
Offers a touchpad interface with an easy to manage menu. Backlit 4x 20 character LCD screen. NTCIP version 3 compatible; fully networkable

MEGATECH CONTROLLER
Offers a backlit full color 10.4" touch-screen controller with a simple one-page user interface. NTCIP version 3 compatible; fully networkable.

REMOTE COMMUNICATIONS OPTION with MICROTECH OR MEGATECH CONTROL CONSOLE
Used for remote communication/control, scheduling, as well as sensor triggering. Locate your unit on a map or list, see battery voltage, and receive notifications if a unit moves, a pixel fails, and much more!
*With this option, cellular service is provided free of charge, and is limited to carrier supported generational wireless technology.

STATIC SIGNS
Talk to your Sales Rep about the range of static signs available. Signs can be purchased through Solar Technology, Inc. and installed on the trailer in our facility, or by the customer after delivery.

BATTERY UPGRADES

Type	Number	Capacity
Lead-Acid (flooded)	Four (4)	520 amp hour
	Six (6)	780 amp hour
	Eight (8)	1040 amp hour
Gel Cell or AGM (maintenance-free)	Two (2)	260 amp hour
	Four (4)	520 amp hour
	Six (6)	780 amp hour
	Eight (8)	1040 amp hour

BATTERY CHARGER OPTIONS
• 45 amp ,120 volt AC   • 55 amp ,120 volt AC

SOLAR ARRAY POWER OUTPUT
• 160 Watt   • 220 Watt

SHORT RANGE RADIO CONTROL
Used for point-to-point communication.

SECURITY OPTION
• Anti-theft steel battery frame bolted to trailer
• Vandal-Proof Battery Box with reinforced steel cage.

SOLARTECH ®

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

www.solartechnology.com

ISO 9001:2015 CERTIFIED MANUFACTURING FACILITY

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