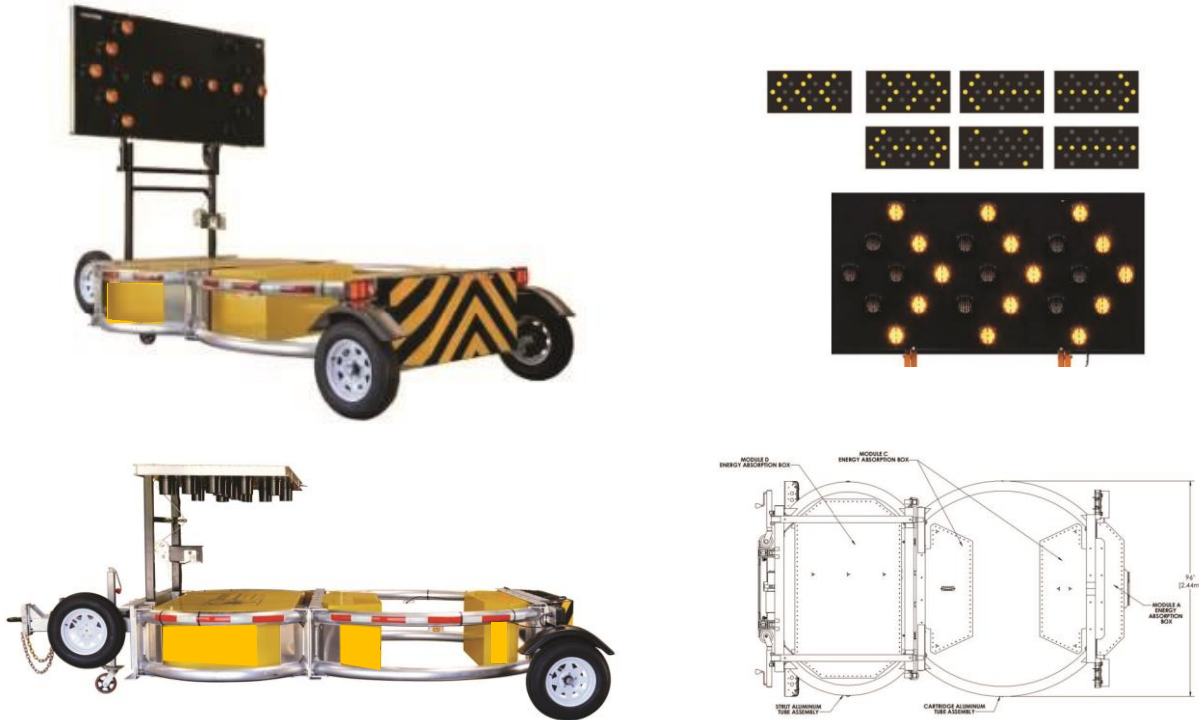


## Mobile Electronic Directional Arrow With-Trailer Attenuator



### PRODUCT DESCRIPTION

Road construction teams utilize many types of traffic devices to keep construction zones safe for their workers and motorists alike. From accident prevention to high-volume traffic rerouting— safety is always the top priority.

Our truck and trailer-mounted attenuators are built to absorb and reduce impact forces from High-speed collisions, saving lives and reducing damages. They are an invaluable component of keeping construction zones safe for everyone. These devices have saved thousands of lives, and we are proud to offer the best mounted attenuators in the industry.

### DISPLAY

A multiple, LED lamp network shall be provided capable of displaying directional arrow indication. A single display shall be capable of showing either left or right arrows. The display shall have a matt black background with arrows displayed in yellow LED clusters. The display shall be powered by solar panels of appropriate size to both run the display and trickle charge the on board battery support. During the hours of Darkness the batteries shall support operation for a minimum of 18 hours.

The display shall generally comply with:

- Multiple LED lamp display
- Typically 2.4m wide x 1.2m high
- Typically 25 lamp clusters arranged to allow bi-directional arrow display
- Yellow LED –wavelength c590 nanometer

- Steel or aluminum frame, finished matt black. Locking mechanism for stowing flat when in moving mode
- Operating temperature -200C to +850C (or certified by supplier as suitable for operating continuously, without fault in ME conditions), 95% relative humidity (non-condensing). All circuit boards shall be covered in a conformal coating to prevent damage by moisture.

✉ sales1@dareensafety.com 🌐 www.dareensafety.com,

DAMMAM – KINGDOM OF SAUDI ARABIA – PH +966 5470990508,966 511437636

## DISPLAY

Crystalline silicon photovoltaic panels for converting sunlight into electricity of appropriate size will be provided. Solar panels will automatically set at 900 to the ground when the VMS is raised from the stowing position. The panels will:

- Be capable of operating the display independent of the battery supply
- Be capable of charging support batteries and display
- Be capable of being tilted to angles between horizontal and vertical.

2V/100W Solar Panels Specification:

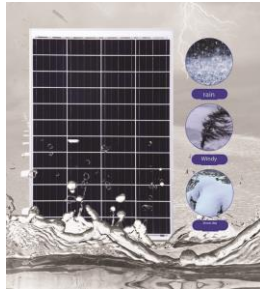
Power: 100W

Material: Polycrystalline Silicon

Max.Power Voltage (VMP): 12V

Max.Power Current (IMP): 8.33A

Dimensions: 600\*1000\*25mm



## CONTROLLER

Traffic Light Remote Controller Box  
Including an LED light connection card  
& connector with cable



## TRAILER

The arrow display, its solar panels, battery supply and control electronics shall be supplied built into a single axle trailer suitable for towing by automotive vehicle. The trailer shall be provided with:

- Tow hitch complete with 50mm ball coupling and pintle ring assembly rated up to two tones, drilled for securing with padlock. A brake surge actuator shall be fitted to bring on emergency brakes in the event of disconnection from towing vehicle.

- Raisable jockey wheel and corner jacks
- Complete with stop, turn and signal lights in rear of trailer complete with amber (front) and red (rear) side marker reflectors. A suitable electric coupling shall be provided to allow connection to the towing vehicle.
- Lockable, vented enclosures for housing batteries
- On board battery power – 12v 100Ah rating
- Lockable enclosure for housing sign controller
- All necessary linking cables and couplings to ensure correct operation of the system.

When impacted, which reduces the impact forces on the vehicles occupants and results in lower repair costs and easy parts replacement. Rear axle placement improves attenuator stability and prevents the tail from "bottoming out" on driveways and uneven surfaces. The overall length 17' 10", width 8' (2.4 m), Height 3' (0.9 m)

