



FEDERAL SIGNAL VAMA

Protecting people and our planet

Road Safety Arrow

Foldable LED panel



Road Safety Arrow

Federal Signal Vama presents **Road Safety Arrow**, a foldable LEDs panel, high-tech, great lighting and designed to provide big visibility, even in fast roads, with vehicles getting closer at a high speed.

Due to its excellent LED light lighting, **Road Safety Arrow** range has been designed both to help to control traffic when the emergency vehicle is parked, and also when the situation requires to alert and manage traffic from long distances.

MAIN FEATURES:

- Panel base contains 5 amber LED lights L2H that makes the function of SignalMaster when panel is closed.
- Foldable panel contains 14 amber L2H LED lights. These light, combined with the panel base, makes the following flashing light functions: right and left diagonal arrows and cross.
- 10 LED lights (Microled Advance) in panel perimeter.
- Perimeter warning lights comply with R65 European Regulations and are according to R10 on Electromagnetic Compatibility.
- Chassis with anti-corrosion treatment and black painted.
- Linear drive motor.
- Integrated control box.
- 19 ways roof connector.
- Control head with or without public address.
- ES100C speaker pre-installation included. (Siren is sold separately).
- Possibility to add frontal LEDs SignalMaster.
- Possibility to add reflective stripes in the panel.



Closed panel

5 amber lights with SignalMaster function at the back.



Panel opened from vehicle front sight

Optional frontal LED SignalMaster.



Panel opened from vehicle back sight

19 amber LED lights
+ 4 blue Microled Advance.

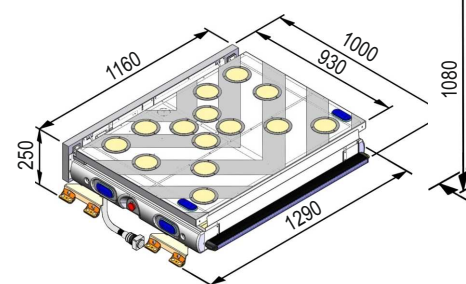
Control head

The control of the **Road Safety Arrow** is carried through a last generation CANBUS control head. Functions:

- **BCT2009-SA01**: Priority lights, SignalMaster, day/night function, speaker + siren, panel opening/closing, right and left diagonal arrow, cross, perimeter lights.
- **BCT500CB-SA01**: Adds the public address and radio functions.



Panel dimensions in mm.





Each amber light is compound by 21 LEDs.

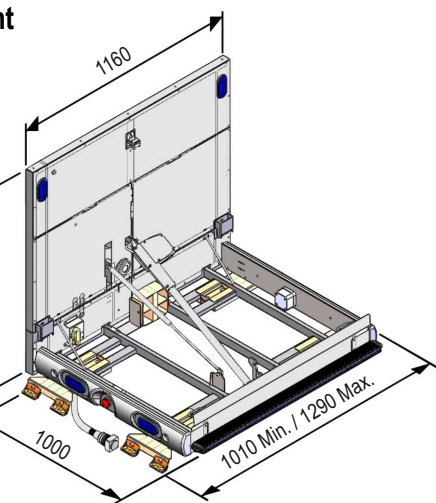


Emergency system for opening and closing the panel.



Photocell:

Sensor that detects the ambient light variation.



WEIGHT: Without brackets: 64 Kg
With brackets: 77,2 Kg

Road Safety Arrow Added Values:



EASY INSTALLATION. All models have a roof standard connector and CANBUS technology, which minimizes vehicle installation.



FAST PANEL OPENING AND CLOSING SYSTEM. Fast opening/closing system, lasting just 25 seconds to be completely opened / closed.



SIGNALMASTER. When approaching at operation or at emergency zone, a Signalmaster function reinforces security around perimeter vehicle, adding an excellent light coverage to the LED panel.



ALERT SOUND SYSTEM WHEN OPENING AND CLOSING THE PANEL. To alert the worker from any panel movement, avoiding risks and increasing security.



VEHICLE BATTERY CONTROL SYSTEM. It exists 3 battery states. In the last state, a short whistling sound is emitted every 30 seconds, to warn about the low battery level available.



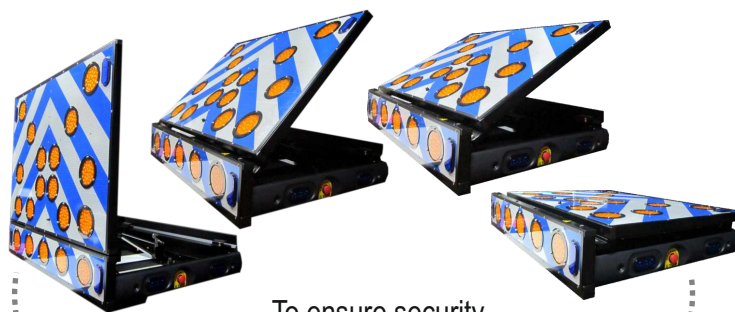
EMERGENCY SYSTEM TO OPEN/CLOSE THE PANEL. It incorporates 2 emergency opening / closing buttons, in case the panel should be suddenly interrupted. If necessary it also provides a manual opening system.



EXCEPTIONAL LIGHTING. As Road Safety Arrow is compound of 19 lights made of 21 LED lights + 10 Microled Advance along the panel, is one of the most illuminated arrow warning systems that currently exists in the market, clearly magnifying the vehicle's presence (up to 3 Km distance), and therefore, increases security and reduces risk.

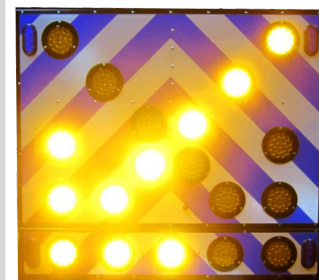


MODERN AND ERGONOMIC DESIGN. Its high quality workmanship and appearance, together with the simetric lights and Microled Advance arrangement, makes Road Safety Road have an attractive design and assures that can be seen efficiently both during the day and at night.

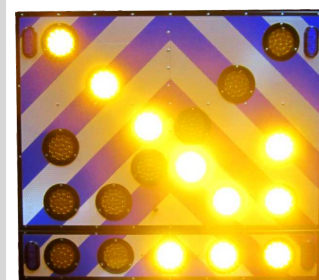


To ensure security, the foldable panel can only be opened when hand brake is activated.

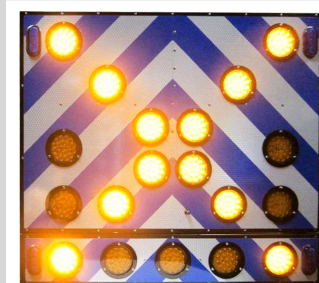
Panel Functions



Left diagonal arrow

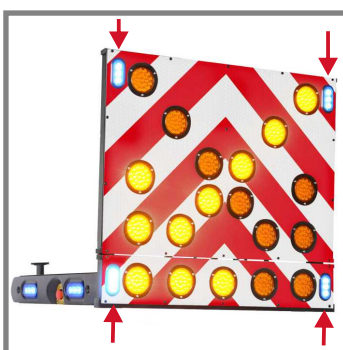


Right diagonal arrow



Cross

Priority Lights



Frontal SignalMaster



Technical Specifications

- Power Supply: 12V
- Operating temperature: -20° / 50°C
- Maximum opening / closing current: 8.7 / 5.7 Amp.
- Maximum current with all the lights ON: (Cross+all blue lights + SignalMaster solaris): 7.5Amp
- Colour of perimetral lights: Blue or amber
- Colour of arrow lights: Amber
- Colour of reflective stripes: white - red, white - blue or red - yellow
- Foldable panel, opening duration time: 25 seconds
- Foldable panel, closing duration time: 25 seconds
- Weight: 64 kg without brackets - 77,2 kg with brackets

Approvals

- RSA approved under R-10 (EMC).
- Light intensity of arrow light according to class L2H of EN12352.
- Perimetral lights approved under R-65 category X.
- Degree of Protection (IP CODE):
Arrow lights: IP65
Perimetral lights: IPX9K

HOW TO ORDER:

1. All Road Safety Arrow models include:

- Foldable panel with 14 Amber L2H LED lights.
- Base panel with 5 Amber L2H LED Lights.
- ES100C speaker preconfiguration.
- 10 Microleds Advance.
- 19 ways roof connector.

2. The preconfigured Road Safety Arrow models are:

ROAD SAFETY ARROW references:	INTEGRATED IN ROAD SAFETY ARROW					OPTIONAL	
	FOLDABLE PANEL		PANEL BASE			PANEL	PANEL BASE
	Right and left arrow, cross	2 vertical Microleds in front part (A)	2 vertical Microleds in rear part (B)	2 vertical Microleds in rear part (C)	4 horizontal Microleds in lateral part (D)	Reflective stripes in rear part	LED Solaris 11SL CB Signalmaster in front part
202553-02	●	●	●	●	●	----	----
202553-02-SM	●	●	●	●	●	----	●
202553-01	●	●	●	●	●	----	----
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202553BW-01-SM	●	●	●	●	●	● ○	●
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202553RW-01-SM	●	●	●	●	●	● ○	●
202553RY-01-SM	●	●	●	●	●	● ●	●

3. CONTROL HEADS:

- Without public address (Model BCT2009-SA01 Ref. BCT2009-SA01)
- With public address and radio (Model BCT500CB-SA01 Ref. 8216160SA01)

* Should you need a speaker, please be aware that the model is ES100C.

4. INSTALLATION ACCESORIES:

- Permanent mount (Ref. 8234192)

* Contact our Commercial Department for further information.



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