

Extinguishable Message Sign (EMS)

Cabinets
Controllers
Signals
Signs
Software
Specialty



Standard and custom text options available

Overview

McCain's Extinguishable Message Sign (EMS) provides a clearly visible fixed message to en-route motorists. Strategically placed, this sign improves overall safety by providing motorists with pertinent roadside information or warnings. Commonly used EMS applications include safety information near airports, data regarding direction or availability for carpool lanes or toll roads, radio frequencies for advisory radio stations, and general traffic alerts. McCain's EMS signs are the perfect addition to your overall Intelligent Transportation System (ITS) and can improve traffic flow and safety in your jurisdiction.

Benefits

- Automatic dimming responds to ambient light minimizing nighttime glare and reducing energy consumption
- Non-glare window maximizes sign visibility
- Large size can accommodate standard and custom messages (two lines, approximately nine characters)
- Assemblies and LED clusters can be removed and replaced with simple hand tools for easy maintenance
- Dual access doors are easy to open and fully seal with the same flange design as standard traffic cabinets

Product Description

The McCain Extinguishable Message Sign is available in standard and custom messages and can accommodate two lines of text with up to nine characters per line (depending on the message).

The sign's message, illuminated with amber Aluminum Indium Gallium Phosphide (AlInGaP) LED's, features automatic dimming that adjusts to ambient light and is hidden behind the gray, non-glare acrylic window when the message is turned off.

The McCain Extinguishable Message Sign is traditionally powder coated black making it an aesthetically pleasing addition to your roadways. The housing is also available in other finishes (see Options on back).

Built to McCain's high quality standards, the sign will withstand wide ranges of temperature and humidity as well as winds and other harsh weather conditions. When used as a component of your overall ITS, the EMS sign will increase overall roadside safety while keeping down costs and saving power.

Extinguishable Message Sign

Standard Features

- Available in standard and custom messages
- Gas springs firmly hold door in open position
- Automatic dimming adjusts to ambient light level
- Adjustable flashing option is standard
- Sign can be controlled either by one 120 VAC power/control line or two separate 120 VAC lines, power and control
- Non-glare, high-impact-strength, gray acrylic window
- Message is clearly visible when turned on and concealed when powered off
- Can withstand temperatures ranging from -37° C to 74° C and humidity from 0 to 95% (non-condensing)
- All control circuit board assemblies FR4, conformal coated

Assemblies

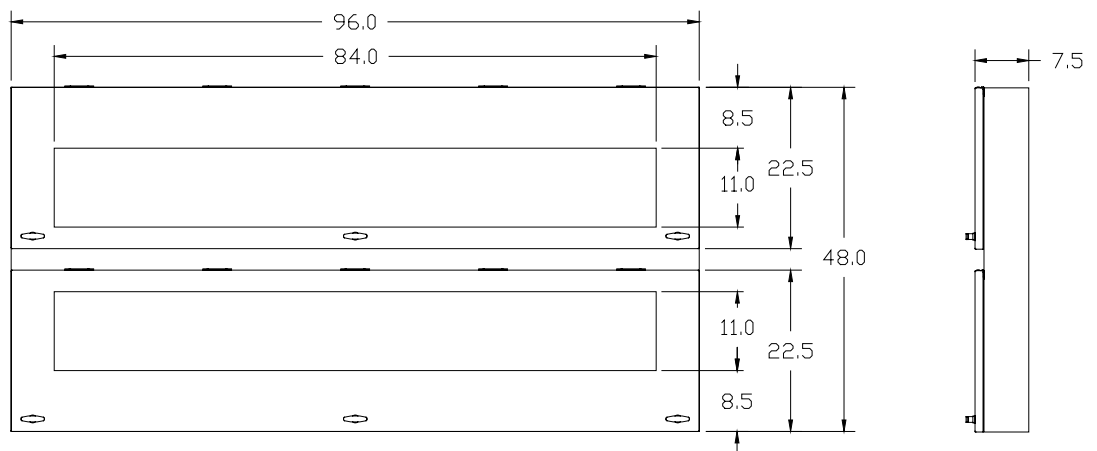
- Message panels (2)
- LED driver board (2-4, varies per message)
- LED interface board (dimmer)
- Photocell
- Relays (2, EMS control & dim test)
- Field terminal block
- Solid state power supply

Options

- Solar powered
- Wireless control
- Compact housing options (24" x 50")

General Specifications

Housing:	Dimensions: 96" L x 48" H x 7.5" D Material: 5052-H32 aluminum, 0.125" thick Finish: Black powder coat (custom colors available)
Access:	Front access, doors (2), upper and lower
Latching System:	Positive latching action with T-handle compression latches (3 each door)
Display Type:	Discrete, removable clusters (pixels) mounted on aluminum panels
Display Technology:	Clusters (Pixels): 1" diameter, 12 LED's, epoxy sealed LED Type: Amber, T-1 3/4 LED's, AlInGaP 591 nm λ
Character:	Font: 5 x 7 (custom options available) Height: 10" (based on 5 x 7 font) Capacity: 9 per line (varies per message) No. of Lines: 2 Spacing: Nominal 3" (Min 2", Max 4.5")
Viewing Angle:	30° horizontal x 30° vertical, tilted 6°
Power Supply:	Solid state, 90 VAC-135 VAC input, 12 VDC-15 VDC output
Power Consumption:	Maximum: 100 W (varies per message) Typical: 80 W
Ventilation:	Thermostatically controlled 100 CFM fan, louvered air intake, washable polyester filter, louvered exhaust
Weight:	250 lbs



Dimensions rounded to the nearest 0.1"

To learn more about
McCain's Integrated Traffic
Solutions, please contact
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