

# NAVIGATE BY THE NORTHSTAR

## CMS40FM Compact Full Matrix Message Board

NorthStar CMS40FM full matrix, changeable message signs provide all the versatility of our full sized board but in a compact package. Fully NTCIP compliant with optional radar making it a fully functional message board. With the same number of LEDs, but spaced closer together, you have a much crisper image. With the choice of one, two or three line text messages and graphics to convey your message. It is perfect when space is limited or you have a short distance to provide information on:

- Retail Promotions or Sales,
- Adverse Road Conditions,
- Special Events,
- Construction Detours,
- Reduced Speed Zones



Full matrix

NTCIP compliance means that the CMS40FM can be integrated into systems that use other manufacturer's NTCIP compliant traffic equipments. It is your assurance that you are using the latest communications protocol. The NorthStar's super efficient LED panels run on a fraction of the power of competitors models reducing the need for excess solar panels. The panels are interchangeable and replaceable. The brightness of the LED's is adjusted automatically with the onboard photo sensor to optimize visibility of the sign in any condition. The NorthStar's Solar Array is mounted in the optimum charging position and can be tilted down for easy cleaning. The 6 - 6 Volt, Heavy Duty, Deep Cycle Batteries provide enough power for the unit to run for weeks without sunlight.

The display case features a virtually unbreakable polycarbonate covering. The slim, custom designed, steel display case features rounded corners and is constructed using self sealing rivets. A waterproof seal is mounted around the perimeter of the lid to protect electronic components from moisture. The sight tube provides for easy alignment of the sign. The NorthStar's custom built, on-board computer controller features a backlit LCD screen and a watertight QWERTY keyboard. The easy-program custom software features password protection, and a quick program function loaded in each unit.

The 70x42 inch board has been engineered to fit on our rugged arrow board frame. NorthStar message boards feature a sturdy welded steel frame. Balanced placement of the batteries and our advanced torsion axle suspension system provide years of smooth, trouble free towing. A durable automotive grade finish provides superior corrosion protection from salt spray or stone chips to keep your NorthStar message board looking good for years to come. A choice of a 2" Ball or Pintle couplers is available to meet your specific towing requirements and the leveling stands on all 4 corners of the trailer allow for stable, level placement of the unit on any terrain.



One line text



Two line text



Three line text

# CMS40FM Compact Full Matrix

Display panel  
in display position

Solar panels

Display panel  
in tow position

Poly compartment protects  
the control panel

Full size backlit  
QWERTY keyboard

6 - 6 volt heavy duty  
deep cell batteries

Advanced torsion  
axle suspension



## Warranty:

Overall:	2 Years
Solar Panels	10 Years
Electrical:	2 Years
Display Modules:	5 Years

## Specifications:

Length	101.5"	Display Size:	71" x 43"
Width	72"	Operating Voltage	12 Volts
Height (Operating/Towing)	126"/ 93"	Solar Array Power Output	150, 225 or 300 Watt Solar Array
Ground Clearance	13.5"	Batteries	6
Weight	1,400 lbs	Battery Capacity	705 Amp Hrs
Matrix Size	28 x 48 Pixels	Pre-Programmed Messages	200
Pixel Spacing	1.35" x 1.35"	User Defined Messages	200

All models meet or exceed the specifications for portable changeable message signs listed in Part 6F.52 of the Federal Highway Administration's Manual on Uniform Traffic Control Devices (MUTCD). Specifications subject to change without notice.

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