K&K Systems, inc.
Traffic Safety Products Manufacturer

PORTABLE CHANGABLE
MESSAGE BOARD
MODEL #MB8249

The MB8249 Full Matrix Message Board provides messaging functionality to display predefined and custom messages in three or four lines of alphanumeric text and MUTCD graphics/animations via an on-board controller. Our all LED display measures 82" x 49" and is mounted on a powder coat finished hydraulic style trailer.

NTCIP Controller (Optional)

FEATURES

▶ Maintenance Free Batteries
▶ Long Lasting Battery Life
▶ Sealed Battery Box
▶ Single 120 Watt Solar Panel
▶ Meets MUTCD Standards
▶ Auto Dimming
▶ NTCIP Controller (Optional)
▶ Super Bright LED Technology
▶ 360° of Rotation
▶ Durable Powder Coat Paint
▶ (4) Adjustable Corner Jacks and (1) Tongue Jack
▶ Sleek Frame Design

MODEL #MB8249
PORTABLE MESSAGE BOARD
TRAILER MOUNT SERIES

TRAILER

Width: 68" fender to fender
Length with tongue: 148"
Length without tongue: 99"
Transport Height: 97"
Operating Height: 167"
Salt Spray: 4,000 hours
Paint: Powder Coat
Main frame: 2"x 5"x 1/8"
Front/Rear Cross members: 2"x 3"x 1/8"
Wheels: 15"
Axle: 3500 lbs double leaf spring
Fenders: Injection Molded
Jacks: (4) adjustable corner jacks & tongue jack with wheel
Tongue and Safety Chains: 2" ball hitch; 1/4" safety chains with hooks

SIGN DISPLAY

Pixel Matrix: 27x48 Pixel Arrangement
LED Module: Each is 6x9 matrix
LED's Per Pixel: 4
LED Type: Agilent amber 592NM
Viewing Angle: 30 degrees
Visibility: Up to 1 mile
Hours: 100,000 hour LED
Lines: Displays 3 lines of text and graphics
Characters per line: 8 characters (12 optional)
Character Height: 10"
Operating Temp: (-30°F to 170°F)
If one module fails, remainder of board is unaffected

DISPLAY ENCLOSURE

Construction: Extruded Aluminum 6063 alloy
Length: 82"
Width: 49"
Depth: 6"
Paint: Powder coat paint
UV Resistant: 500 hours
Seal: Weather resistant
Venting: Vented top and bottom
Front face: 1/8" Lexan UV matte finish
Raising and lowering of display: Electro-hydraulic
Secondary raise and lowering: Manual hand pump

POWER AND CHARGING

Batteries: (4) 12 volt batteries for combined 400 amps
Battery Charger: 120 Volt, 12V , 60 amp
Recharge: 24 hours
On-board diagnostics to monitor: Solar, battery, and load
Solar: (1) 120 watt solar panel
Regulator and/or CrossTalk: Built in low and high voltage disconnects

KEYBOARD CONTROLLER

Quick Message Selection: Thumbwheel to quickly select between 16 user programmable messages.
Controller Display: LCD
Data Entry: Mini Keyboard
Memory: Non volatile
Pre-wired to accommodate radar, cell modem, and PC
"Auto Resume" after power failure

WIRELESS CONTROLLER

Wireless Device: CrossTalk Controller
Bluetooth Programming: Yes
Controller Display: On-board tablet
Data Entry: On-board tablet software
"Auto Resume" after power failure
Control Cabinet: Weatherproof aluminum construction

OPTIONS

▶ Radar
▶ Locking lug nuts
▶ Pintle ring or bulldog hitch
▶ Other Options available

▶ Custom Paint
▶ Outrigger Stability Supports
▶ Electric or hydraulic brakes

The CrossTalk®, K&K's proprietary communication system, provides secure wireless functionality via Bluetooth or optional cloud-based software.

CMS units have the option to come equipped with an on-board keyboard for programming and NTCIP Compliance.

K&K Systems' Quick Message Selection Thumbwheel switches between the first 16 user defined messages. Roll the thumbwheel to desired message number to display a message.