



K&K Systems, inc.
Traffic Safety Products Manufacturer

FEATURES

- ▶ NTCIP Controller
- ▶ Quick message selection switch
- ▶ Super-bright LED technology, 100,000 hour rating
- ▶ Displays alphanumeric text, MUTCD symbols, and predefined arrow patterns
- ▶ Independent module operation
- ▶ Photocell for auto dimming capability
- ▶ RF immunity
- ▶ Extruded aluminum frame
- ▶ Front door access to internal parts
- ▶ Powder coated
- ▶ Choice of sizes and mounting options
- ▶ Water / moisture resistant

VEHICLE MOUNT MESSAGE SIGN SERIES

K&K's Vehicle Mount Message Board Series provide messaging functionality to display predefined and custom messages. Our One-Line, 2-Line, and 3-Line all LED displays are capable of alphanumeric text 8" to 12" high. Our full matrix models can display MUTCD arrow patterns and text. The display enclosure has a Lexan face for protection and is powder coated matte black for a smooth, glare-free finish.



OPTIONS

Mounting Options: Over the Cab with Leg Extensions, Truck Bed Rails, Low Profile
Actuator: Raise and lower sign from inside vehicle
Mounting Frame: 2 x 2 square tubing

CMS SERIES SPECIFICATIONS

MODEL SELECTION GUIDE	MODEL NO.	SIZE	CHAR. HEIGHT	PIXEL PITCH	# OF LINES	FULL MATRIX
	VCMS0942110	52" x 12" x 4"	8"	1.10	1	NO
	VCMS0948110	59" x 12" x 4"	8"	1.10	1	NO
	VCMS0942158	69" x 17" x 4"	12"	1.58	1	NO
	VCMS0948158	78" x 17" x 4"	12"	1.58	1	NO
	VCMS1842110	52" x 24" x 6"	8"	1.10	2	NO
	VCMS1848110	59" x 24" x 6"	8"	1.10	2	NO
	VCMS1842158	73" x 35" x 6"	10"	1.58	2	NO
	VCMS1848158	82" x 35" x 6"	10"	1.58	2	NO
	VCMS1842190	85" x 40" x 6"	12"	1.90	2	NO
	VCMS1848190	96" x 40" x 6"	12"	1.90	2	NO
	VCMS2742110	52" x 36" x 6"	8"	1.10	3	YES
	VCMS2748110	59" x 36" x 6"	8"	1.10	3	YES
	VCMS2742158	73" x 49" x 6"	10"	1.58	3	YES
	VCMS2748158	82" x 49" x 6"	10"	1.58	3	YES
VCMS2742190	85" x 56" x 6"	12"	1.90	3	YES	
VCMS2748190	96" x 56" x 6"	12"	1.90	3	YES	

ENCLOSURE

Construction: Extruded aluminum 6063 alloy with T5 Temper
Back Skin: Single .080 aluminum skin
Paint: Powder Coat
Salt Spray: 1000 hours
UV Resistance: 500 hours
Seal: Weather Resistant
Venting: Vented top and bottom

LED MODULES

Pixel Matrix: 6 x 9
LED's Per Pixel: 3
LED Type: Agilent amber 592NM
Visibility: 1,000 ft.
Viewing Angle: 30 degrees
Paint: Flat Black
Coating: Conformal coated
Hours: 100,000 hour LEDs

**If one module fails, remainder of board is unaffected*
**Modules have diagnostics reporting: Comm, Error, Heartbeat*

CONTROLLER*

Compliant: NTCIP Compliant
Memory: 8MB Non-volatile memory
Operating Temp: (-40°F to 16°F)
Digital I/O: 8 inputs, 4 outputs
Analog Inputs: 4 inputs – 12 bit accuracy
Processor Speed: 22.1 MHz
SRAM: 512 kB (standard)
Flash: 512 kB (standard), 8 MB serial (data storage)
Serial Ports: 4 total
Watchdog: Yes
Backup: Battery

CONTROL CONSOLE*

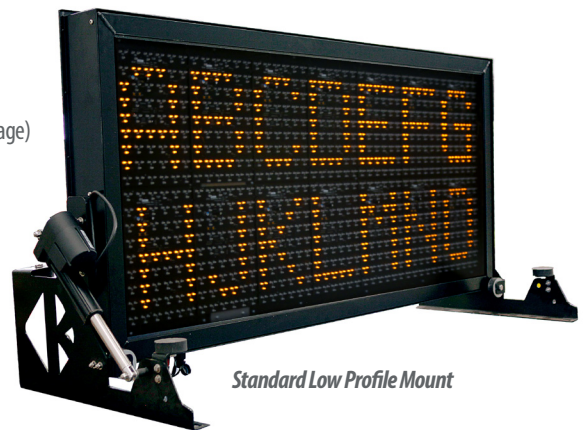
Preprogrammed Messages: 260
User Programmable: 100
Message Timing: Slow, Medium, Fast
Dimming: Manual or Auto
Input Device: Back-lit LCD Programming Terminal

POWER

Actuator (optional):
Quick Selection Switch: 16 message storage to quickly select the most used messages.
Qwerty Keyboard:

OPTIONS

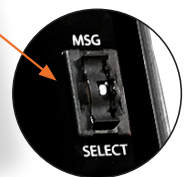
Mounting Frame: 2 x 2 square tubing
Actuator: Raise and lower sign from inside vehicle.



Standard Low Profile Mount



* Not applicable to One-Line



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