

SWARCO

McCain CHANGEOABLE MESSAGE SIGNS

800 SERIES



McCain Changeable Message Signs (CMS) featuring SWARCO's patented Precision Optics lens technology and integrated surface-mount 3-in-1 RGB LEDs, provide the sharpest, full-color display on the market. Strategically placed, these signs improve overall traffic flow and commuter safety with alerts to road closures or detours, direction and availability of carpool lanes or toll roads, advisory phone numbers, and general alerts.



CMS 800

KEY BENEFITS

- Boasts advanced LED pixel matrix module design
- Supports standard assemblies, ensuring component interchangeability
- Cuts costs due to higher energy efficiency
- Notifies operator of pixel failure and live sign/message status
- Provides live status of door open, temperature, and humidity alarms
- Facilitates quick and efficient service or repair
- Provides reduced glare and increased message contrast and visibility

PRODUCT DESCRIPTION

The industry-leading brilliance and clarity of McCain CMS derives from its 26.5 to 1 contrast ratio, tight pixel pitch (12-30mm), and 10ms refresh rate that captures 100% of the light emitted. Messages are legible up to 1,200 feet in any condition – including low-angle and direct sunlight.

McCain CMS eliminate the need for bulky cooling or defogging equipment as they only draw a tenth of the power when compared to leading competitor's signs and give off little to no heat. Best of all, this contributes to fewer failure points and extends product life.

McCain CHANGEABLE MESSAGE SIGNS

STANDARD FEATURES

- NTCIP 1203 V3 compliant
- NEMA TS 4 standards compliant
- Caltrans 2020 TEES compliant, Caltrans QPL approved and NSSP Caltrans
- Real-time sign diagnostics and full pixel feedback
- Message control via override, local or central schedule
- Full-color RGB includes 64 million colors
- Watertight precision optical lens
- 5 year warranty

OPTIONS

- Dial-up, cellular, and radio communication
- Ground or pole mount controller cabinet
- Flashing beacon:
 - LED: Amber
 - Power: 10 W each
 - Dimensions: Ø12" lamp, 24"L x 24"H backplate

GENERAL SPECIFICATIONS

	CMS 800	CMS 810	CMS 820
MECHANICAL			
Dimensions ¹ :	308"W x 87"H x 18"D	175"W x 55"H x 14"D	100"W x 56"H x 14"D
Access:	Front		
Material:	Housing: 5052-H32 aluminum, 0.125" thick Matrix: 0.118" thick anodized aluminum and painted		
Finish:	Housing: natural or latex paint, beige Matrix: anodized, paint, black		
Operating Temperature:	-40°C to +85°C		-44°C to +85°C
Mounting:	"Z" extrusion brackets		
Weight:	±2,261 lbs	±502 lbs	±277 lbs
Ventilation:	None Required		
OPTICAL			
Display Resolution:	368 x 98 pixels	208 x 56 pixels	112 x 56 pixels
Matrix Type:	Full Matrix		
LED Colors:	Full Color; 3-in-1 SMD RGB		
Pixel Pitch:	20 mm		
LED Angle View:	Optics B6: ±30° or B7: ±60°		
Luminance [cd/m2]:	> 16,000		Min: 9,200 Max: 16,509
ELECTRICAL			
Supply Type:	110/120 VAC, 60 Hz		120 VAC single phase 5 VDC interal (2-wire plus ground)
Power Consumption:	Typical: < 450W Min: < 10W		Typical: 78W Max: 710W
OTHER			
Part Numbers:	V12500-1-30 degree V12500-2-60 degree	V12501-1-30 degree V12501-2-60 degree	V12502-1-30 degree V12502-2-60 degree

¹Dimensions rounded to the nearest inch