

SWARCO

McCain DYNAMIC MESSAGE SIGNS

ARTERIAL
FRONT ACCESS
WALK-IN

McCain Dynamic Message Signs (DMS) 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.



Front Access

KEY BENEFITS

- Displays any combination of text, symbols, and images
- Clear visibility and color uniformity from any angle with unrivaled contrast ratios
- Emits little to no heat, eliminating the need for cooling, ventilation, and defogging equipment
- Low total cost of ownership through reduced energy consumption and maintenance costs
- Draws 1/10 of the power of other signs
- Eliminates sunlight and headlight glare
- Meets or exceeds NEC and NEMA standards
- 5 year warranty

PRODUCT DESCRIPTION

The industry-leading brilliance and clarity of McCain DMS 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 DMS 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.

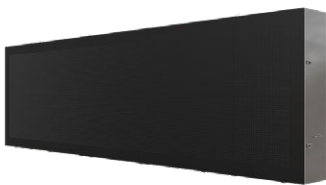

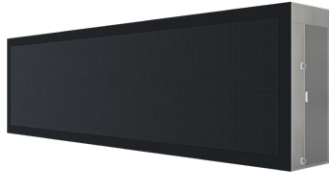
ADDITIONAL SIZES

SWARCO McCain, Inc.'s Changeable Message Signs (CMS) 800 series utilizes the same superior technology as the DMS Series. Check out the additional formats offered below:

- Arterial: CMS 810 and 820
- Front Access: CMS 800

McCain DYNAMIC MESSAGE SIGNS

GENERAL SPECIFICATIONS

ARTERIAL		FRONT ACCESS		WALK-IN	
MECHANICAL					
Dimensions ¹ :	214"W x 62"H x 15"D		319"W x 92"H x 18"D		319"W x 92"H x 45"D
Enclosure Type:	NEMA Type 4				
Access:	Front: hinged door, 60° opening, gas springs, backup support rods			Right and left side	
Material:	Housing: 5052-H32 aluminum, 0.125" thick Matrix: 0.118" thick anodized aluminum and painted				
Finish:	Housing: mill finish Matrix: black anodized, front painted black				
Operating Temperature:	T1 (-15°C to +60°C)				
Rear External Fixations:	4 vertical "Z" extrusion brackets		5 vertical "Z" extrusion brackets		3 horizontal "Z" extrusion brackets
Weight:	±1,015 lbs		±2,475 lbs		±1,890 lbs
Other:	SS locks and hinges, knockout seals			SS locks and hinges, conduits	
OPTICAL					
Display Resolution:	256 x 64 pixels		384 x 96 pixels		
Number of Lines ² :	3 lines x 19 char. @ 12"H char.		3 lines x 20 char. @ 18"H char.		
Matrix Type:	Full matrix				
LED Colors:	Full color: 3-in-1 SMD RGB				
Pixel Pitch:	20 mm				
LED Angle View:	B6; 30° (±16° horizontal), (±10° vertical)				
Color Depth:	24 bits (2^24) (RGB)				
Luminance [cd/m2]:	L3 (16,758 white) / (9,321 yellow)				
Optical Classification:	EN 12966-1:2005 + A1:2009				
ELECTRICAL					
Supply Type:	120 VAC, 60 Hz 1Ph				
Power Consumption ³ :	700 / 123 / 93		1541 / 255 / 173		1555 / 260 / 187
I _{max} [A]/Display I _{max} + GFCIs:	24.4 / 9.4 + 15		35.7 / 20.7 + 15		40.2 / 25.2 + 15
Other Controls:	Illuminance by integrated sensors, door contact switches, redundancy power supplies				
Communications Protocol:	NTCIP 1203 v03 Rainbow Controller				
Physical Layer:	Ethernet, RS485, Contacts (Digital I/Os), Optical Fiber				
OPTIONS					
Controller Cabinet:	Ground or pole mount				
Flashing Beacon:	Color: Amber Power: 10W Dimensions: Ø12" lamp, 24"W x 24"H backplate				
VIEW					
45° Angle:					

¹Dimensions rounded to the nearest inch

²Series E200 MUTCD / NEMA TS4

³Max/Typical/Standby - Average consumption within 24 hours; LEDs typically active when using an average message: 15%