

SWARCO

McCain DYNAMIC MESSAGE SIGN

WALK-IN



The McCain Walk-In Sign provides convenient access for maintenance with a side entry door. The sign provides a working environment that is safe with adequate lighting and ventilation. The maintenance access door is designed to provide a tight seal when closed. These weatherproofing measures ensure the longevity and reliability of the sign, particularly in outdoor installations exposed to the elements. It also has security features such as locks or tamper-proof mechanisms to prevent unauthorized access. This sign provides real-time updates about any disruptions on highways.



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 the McCain Walk In DMS Sign 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.

The McCain Walk-In Sign eliminates 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 WALK-IN

GENERAL SPECIFICATIONS

Model Series:	V12650-1	V12650-2
Matrix Type:	Full Matrix	Full Matrix
Display Resolution (pixels):	368 (w) x 96 (h)	368 (w) x 96 (h)
Number of Lines & Chars/Symbols:	3 Lines x 16 Chars. @ 18" Char. Height Series E2000 MUTCD	3 Lines x 16 Chars. @ 18" Char. Height Series E2000 MUTCD

OPTICAL

Display Color:	Full Color	Full Color
Display Area:	289.36" W x 75.19"H	314.55" W x 75.18"H
Pixel Pitch [mm]:	20	20
Pixel Type:	Cree (3 in 1 RGB SMD)	Cree (3 in 1 RGB SMD)
Luminance [cd/m2]:	L3* (16,758 white) / (9,321 yellow)	L3* (16,758 white) / (9,321 yellow)
Viewing Angle:	B6 30°	B7 60°
Chromaticity:	C2	C2
Contrast Ratio:	R3 (24:1)	R3 (24:1)
Optical Classification:	EN 12966-1:2005+A1:2009	EN 12966-1:2005+A1:2009
Color Deepnest:	Color deepnest 24 bits (2 ²⁴) (RGB)	Color deepnest 24 bits (2 ²⁴) (RGB)
Max. Operating Current per pixel:	6.21mA (White RGB) / 3.94mA (Yellow)	6.21mA (White RGB) / 3.94mA (Yellow)

MECHANICS

Housing Size:	306"W x 92"H x 45"D	306"W x 92"H x 45"D
Display Access:	Walk In	Walk In
Sign Placement Proposal:	40.2 / 25.2 + 15	40.2 / 25.2 + 15
Matrix Material:	>0.118" THK Anodized Aluminum and painted	>0.118" THK Anodized Aluminum and painted
Casing Material:	Skin 1/8 THK 5052-H32 Aluminum	Skin 1/8 THK 5052-H32 Aluminum
Casing Color Finished:	Any RAL	Any RAL
External Fixation:	3 horizontal "Z" brackets or 5 vertical "Z" brackets	3 horizontal "Z" brackets or 5 vertical "Z" brackets
Water/Dust Ingress Rating:	NEMA 4x	NEMA 4x
Display Weight (lbs.) Approx:	1773 lbs.	2010 lbs.
Wind Load Rating:	WL9	WL9
Dynamic Snow Load Rating:	DSL0	DSL0
Operating Temperature:	T1 (-15°C up to +60°C)	T1 (-15°C up to +60°C)
Others:	Stainless steel locks and hinges/ Aluminum conduit inlets	Stainless steel locks and hinges/ Aluminum conduit inlets

ELECTRICS

Supply Type:	120VAC / 60Hz 1Ph	120VAC / 60Hz 1Ph
Display Consump. [W] (Max / Typ.):	1505 / 625	4170 / 1670
I _{max} [A]/Display I _{max} :	0.8	0.8
Others:	Illuminance by integrated sensors / Door contact switches	Illuminance by integrated sensors / Door contact switches

CONTROLS & SOFTWARE

Protocol of Communications	NTCIP 1203 v03 Rainbow controller / contact closure	NTCIP 1203 v03 Rainbow controller / contact closure
Physical layer	Ethernet / contact closure	Ethernet / contact closure