



EVE4X Series

Wet Location/NEMA 4X Exit Sign

FEATURES

Application

The EVE4X is designed for indoor or outdoor wet or dusty environments requiring corrosion resistant, UL50 type 4X exit signs with energy-saving, long-life LEDs. Available in AC only or emergency operation which includes a nickel metal hydride(NiMH) battery and provides a full 90 minutes of emergency exit illumination in the event of power failure. Includes a constant current charger. The EVE accepts 120/277VAC input at 60Hz with a self-diagnostic option.

Construction

The EVE4X Series enclosure and cover is constructed of impact-resistant Polycarbonate with light gray color. The cover is secured to the housing by means of four polyamide screws. A polyurethane gasket provides a watertight and dust-tight seal. A white trim plate installs under the housing cover. Directional arrows are snap-in chevron type.

Installation

EVE4X Series exit signs are designed to mount to the wall through four 1/4" integral mounting holes in the unit housing. Mounting hardware is supplied by others. Units must be surface wired for utility power input. Housings are easily drilled or punched to accept sealed conduit hubs (supplied by others).

Illumination

The EVE4X series provides bright and uniform exit panel illumination by using energy saving, long-life red or green LEDs with a 10 year lifecycle. The panel face exceeds UL924 requirements for brightness and uniformity.

Compliances

Listed to UL 924 for Wet Locations

Warranty

EVE4X Full 5 year warranty
 Battery, 3 years full, 7 years pro-rata

Catalog Number	
Comments	Type



ORDERING GUIDE

EVE4X

Model	Letter Color	Finish	Operation	Self-Diagnostics	Options
	R Red G Green	W White	Blank AC only E Emergency	Blank No Self-Diagnostics I Spectron® Self-Diagnostics ^{1,7}	DC Remote DC Operation ^{3,5,6} FAP Fire Alarm Panel ^{2,4,6,7} FM Flasher Module ^{2,7}

¹ For use with emergency models only

² For use with Spectron® Self-Test/Self-Diagnostic models only

³ For use with AC models only

⁴ Operates with 24-volt AC or DC fire alarm panels

⁵ For emergency illumination of sign from remote 6-24 VDC power sources

⁶ DC option may not be specified with FAP option

⁷ FM and FAP options may not be specified together



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SPECIFICATIONS

Electronics

Upon failure of the normal utility power, a solid-state transfer switch automatically activates the exit LEDs. Upon resumption of the normal utility power, the battery is disconnected from the load and recharged through a constant current charger. The battery is a maintenance-free Nickel Metal Hydride(NiMH) type. The EVE series accepts 120/ 277VAC at 60 Hz. A low voltage battery disconnect(LVD) feature protects the battery from damage during prolonged power failures. Manual testing is available at any time using the push-to-test button. Rated LED lifecycle-greater than 100,000hrs. or 10 years.

Standard Features Include:

- External push-to-test switch and AC-on indicator
- Battery re-charge within 24 hours
- AC Lock-out battery circuit
- Low voltage battery disconnect
- UL 50 type 4X units for indoor/outdoor use
- Suitable for use in wet locations
- Oil-resistant gasket for watertight/dust-tight seal
- High-impact, corrosion-resistant polycarbonate housing
- Easy installation
- Bright, even illumination
- Exceeds NFPA 101 illumination requirements
- Red and green letters
- Snap-in chevron type directional arrows

Optional Spectron Feature:

- Self-diagnostics monitors LED status, LED load transfer circuit, battery capacity and charger function and displays any fault detection by means of a flashing code
- Self-Test feature automatically runs a 1 minute test once a month and an alternating 30 or 60 minute test once every 6 months. Multi-color LED indicator provides visible fault detection and charging status User initiated 1 or 90-minute system test feature
- 15 minute re-transfer delay
- Automatic unit transfer in brown-out conditions(below 80% of nominal AC input voltage)

Operating Temperature Range:

AC 32°F to 104°F(0°C-40°C)

Emergency 50°F to 104°F(10°C-40°C)

Weight: 2.5 lbs

POWER CONSUMPTION

Model	120VAC, 60Hz			277VAC, 60Hz		
	A	W	PF	A	W	PF
Red AC Only	0.02	1.42	0.59	0.009	1.36	0.54
Green AC Only	0.02	1.36	0.57	0.009	1.30	0.57
Red Emergency	0.027	2.01	0.62	0.0127	1.94	0.55
Green Emergency	0.027	2.01	0.62	0.0127	1.94	0.55

DIMENSIONS

