

HAZARDOUS LOCATION SERIES

CLASS 1 DIVISION 2 LED EXIT SIGN & EMERGENCY LIGHTS COMBO



OVERVIEW

The SVXHZ Class 1 Division 2 Exit Sign & Emergency Lights Combo is designed for use in hazardous locations that feature flammable and explosive gases, vapors, and dust. Such environments include power plants, chemical processing facilities, and oil refineries. This Class 1 Div 2 exit sign is waterproof and weatherproof, it can be installed both indoors and out, including in freezing environments.

The body of the SVXHZ is made from aluminum and features a vandal proof polycarbonate faceplate that protects the unit from moisture and abuse. The polycarbonate faceplate is fully gasketed and fastened with stainless steel tamper resistant screws.

A poly-vinyl chloride frame features a built-in gasket that seals out moisture. This hazardous location exit sign is corrosion and flame resistant.

Two 10-watt, bottom-mounted MR16 Halogen lamps provide powerful egress illumination. The lamps are easily positioned and protected by a polycarbonate shield. The nickel cadmium exit sign and emergency light battery backup system operates the fixture for at least 90 minutes after AC power loss. 120 or 277v dual voltage operation. UL 924 Listed, Class 1 Division 2, Groups A, B, C, and D.

FEATURES

- Rated for Class 1 Division 2 hazardous locations
- 2 for 1 exit sign and emergency light solution
- Push-to-test button with LED charging indicator
- NEMA 3, 4, 4x, and 12 Rated
- UL 924 Listed for the USA
- 3 year warranty

EXTERNAL SPECIFICATIONS

This Class 1 Division 2 exit sign and emergency lights combo is composed of an aluminum housing paired with a polycarbonate faceplate that cover the LED exit sign and halogen emergency lamps. The housing and faceplate are sealed together to prevent fluids, vapors, and gases from entering the inside of the SVXHZ exit sign combo with emergency lights.

The housing is tamper-resistant and features a hermetically sealed magnetic test switch that allows for easy testing of the nickel cadmium battery backup system. The entire housing is vandal resistant and approved for use in high abuse areas such as schools and prisons.

These types of fixtures are known as explosion proof exit signs, because the housing is hermetically sealed to prevent the intrusion of any type of gas, vapor, or liquid which could ignite a fire or explosion.

Class 1 Division 2 exit signs are designed for hazardous locations and are thus designed and built under the strictest quality control standards. If you need a model that has emergency lights attached to it.

LED ILLUMINATION SPECIFICATIONS

Red or green LED (Light Emitting Diode) light strips provide brilliant and powerful EXIT illumination while consuming less than 5 watts of electricity at all times.

BATTERY

Class 1 Div 2 exit sign combos feature a maintenance-free Nickel Cadmium exit sign battery provides 90 minutes of emergency support and lasts for 5-7 years.

The SVXHZ Class 1 Division 2 Exit Sign Combo can be upgraded to a Nickel -Metal Hydride battery which lasts up to 10 years long and features a 12V 40W capacity.

INTERNAL HEATER OPTION

The unit can be outfitted with an internal heater that keeps battery backup system ready for emergency mode operation for applications that feature freezing temperature environments (up to -4° F)

ELECTRICAL SPECIFICATIONS

120/277v AC dual-voltage operation is standard. Other voltages available upon request such as 220v and 240v.

T6 (maximum 85°C/185°F). Evaluated to UL 924 and UL1598 standards. Suitable for cold-weather: -20°C (battery backup model, "CW" option) and -40°C (AC only).

CODE COMPLIANCE

UL924 Listed for the U.S. and Canada, CS860, NFPA, Life Safety 101, UL Listed for Damp Locations. UL Listed for Wet Locations.



ORDERING INFORMATION

Series	Operation	Letter Color	Options	# of Heads	Lamp Type
SVX	H (6V 20W NiCad)	R (red)	D (self-diagnostic testing)	Blank (0 heads)*	MJ (6V 10W)
	H12N (12V 24W NiCad)	G (green)	AD (audible self-diagnostic testing)	2 (2 heads)	MK (12V 12W)
	H12H (12V 40W NiMH)				MW (12V 20W)

*A remote load must be attached

SELF-DIAGNOSTIC TESTING

Standard Self-Diagnostic circuitry continuously monitors every critical function of the unit. If a problem occurs, a single fault indicator on the outside of the fixture flashes immediately.

A detailed diagnostic display is located internally. The detailed display will further indicate the nature of the fault as either a battery fault, load fault or a charger fault. Audible self-diagnostics available.

LAMP SELECTION GUIDE

- **MJ** - 6V 10W MR16 Halogen
- **MK** - 6V 12W MR16 Halogen
- **MW** - 12V 8W MR16 Halogen High Output

WARRANTY

The SVXHZ Series comes with a 3-year factory warranty. The lamps are not covered. Deliberate damage, misuse, or improper installation effectively cancel the warranty. Battery features a 20% per year pro-rata warranty.

DIMENSIONS

