



# Survive All SVXH Series Hazardous Location Combination Exit Emergency Battery Unit

Class I, Division 2 Compliant Exit Sign

### Light Source:

- LED, Light Emitting Diodes (RED/GREEN)

### Sealed Maintenance-Free Battery

- Nickel Cadmium • Nickel-Metal Hydride



### Applications:

- **Manufacturing Plants • Chemical Plants • Paint Shops • Moisture, Dirt or Dust Concerns • Oil Refineries • Wet or Corrosive Conditions • Gas Stations**

### General Information

The **SVXH Series** of Combination Exit Emergency Battery Unit has been designed specifically for installation in hazardous locations and other high abuse, industrial environments. Weather resistant, high impacts, vibrations and variations in temperature, the **SVXH Series** is ideally suited for areas with the risk of presence of flammable gases, vapors or liquids able to create an explosive gas atmosphere.

- Evaluated to UL924 standard and to UL844 standard for hazardous locations: Class I Division 2, Groups A, B, C and D
- Temperature Codes evaluated for several types of emergency lamps
- Polyvinyl chloride frame, with built-in gasket to prevent water infiltration
- Heavy-duty 1/8-inch thick aluminum back plate with key-holes for secure wall-mount installation
- Sealed faceplate constructed of heavy-duty, vandal-resistant polycarbonate
- Exit sign module illuminated by long-life, energy-efficient LEDs
- Two MR16 halogen lamps, shielded by a cast aluminum housing and a polycarbonate cover
- Sealed, maintenance-free Nickel-Cadmium or Nickel-Metal Hydride batteries
- Comes standard with self-test / self-diagnostic functions
- Comes standard with industrial-grade, die-cast aluminum electrical box
- ½ inch electrical conduit entry on both sides and at the top
- Designed for wall-mount installation only

### Standard Features

#### Reliability

The **Survive-All SVXH Combo Series** has a 5-year full warranty (excluding lamps and fuses).

#### Unit Data

The rugged PVC body will not dent, peel, rust or corrode. The sealed faceplate is constructed with a heavy duty, vandal-resistant polycarbonate cover and fastened with stainless steel tamper-resistant screws. The test switch is magnetically operated. Models can only be wall mounted. The innovative, fully field adjustable lamp head assembly comes standard with a selection of MR16 lamp, or a high efficiency white LED light source for optimum illumination over the path of egress.

#### Charger

Fully automatic pulse charger offers 120/277 Vac, 60 Hz., current limiting, temperature compensated, short circuit proof, low voltage battery disconnect, brownout protection and standard solid state transfer features.

### Diagnostic / Self Test Feature (Standard)

Diagnostic / Self Test circuitry is standard on all self-powered models. This circuitry is programmed to ensure the exit's readiness and reliability by continuously monitoring every critical function of the unit. If a problem occurs, a single "Service Required" indicator illuminates immediately. A detailed diagnostic display is located on the inside of the exit sign, out of sight from the general public. The detailed diagnostic display inside the exit sign will further indicate the nature of the fault. The self test will test the unit for a minimum 30 seconds every 30 days, 30 minutes every 60 days and 90 minutes annually.

## Suggested Specification

Supply and install Emergi-lite **SVXH Series** combination of unit equipment and LED exit sign. Designed specifically for hostile environments, the equipment frame shall be of industrial grade polyvinyl chloride with gaskets around both sides of the frame contour. The back plate shall be made of 1/8-inch thick aluminum sheet and shall include knock-outs for installation on an electrical box and four keyholes for alternative installation on a wall surface. The faceplate shall be constructed of heavy-duty vandal-resistant polycarbonate and feature a uniformly illuminated legend. The light source shall be light emitting diodes (LED). Red LED technology shall be ALINGAP. An LED-sensitive diffuser shall be mounted behind the legend to provide the 6" high by 3/4" stroke letters with even illumination. When specified, the equipment shall have attached a lower compartment containing two emergency lights with adjustable swivels and long-life MR-16 halogen lamps of \_\_\_ V and \_\_\_ W. The lamps shall be shielded by cast aluminum housing and protected by a shock-absorbent, transparent polycarbonate cover.

The equipment shall be evaluated for the UL 844 Standard for Hazardous Locations: Class I Division 2 Groups A, B, C and D. The standard AC input voltage shall be: 120/277Vac. The equipment shall be equipped with a magnetic test switch located behind the face plate and two LED pilot lights: AC-on and "Service required". The unit shall include self-testing / self-diagnostic functions monitored. The self test will test the unit for a minimum of 30 seconds every 30 days, 30 minutes in the 6th months, 90 minutes annually. The "Service required" LED shall light when a fault is detected. A four-LED diagnostic display located inside the equipment shall identify the source of the failure (battery, charger circuitry, or lamp load). The combination unit shall be **Emergi-lite Model** – \_\_\_\_\_.

## Optional Features

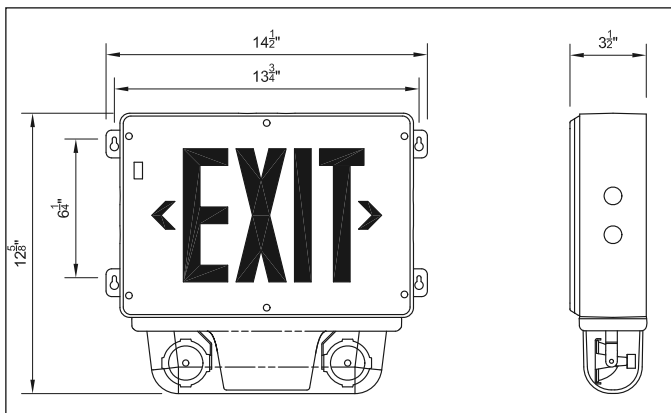
Description	Add Suffix
Nexus Interface.....	NEX
AD Non-Audible.....	D
AD Audible .....	DA
<b>Accessories (order as a separate item)</b>	
Additional special bit of tamper-proof screws .....	TPB

## How To Order

GA	SVXH	R	D	2	MJ
<i>Housing/Face Color</i> GG= gray/gray	<i>Series/Capacity</i> SVXH= 6V20W, NICD SVXH12N= 12V24W, NICD SVXH12H= 12V40W, NIMH	<i>Legend Color</i> R= Red G= green	<i>Diagnostic</i> D= advanced diagnostics Non-audible DA= advanced diagnostics - Audible NEX= NEXUS® system interface	<i># of Heads</i> Blank= 0 head* 2= two heads	<i>Lamp/Wattage*</i> MJ= 6V - 10W MR16 MK= 12V - 12W MR16 MW= 12V - 20W MR16 high output
				* A remote load must be attached.	*No other lamp option available.

## Outline and Dimensions

Dimensions are approximate and subject to change.



## Unit Warranty\*

Unit carries a 5-year Full Warranty.

## Battery Warranty\*

**Sealed Nickel-Cadmium Battery** has a 10 year life expectancy and carries a 5-year Full Warranty, plus a 5-year pro rata warranty.

\*Subject to proper installation and maintenance

## Power Consumption

Model #	AC Input	Maximum		Stand-by		Unit Rating*			
		Current	Power	Current	Power	1.5	2hrs	3hrs	4hrs
SVXH	120 / 277 Vac	0.15 / 0.07 A	16 W	0.09 / 0.03 A	8 W	20	15	-	-
SVXH12N	120 / 277 Vac	0.30 / 0.08 A	29 W	0.13 / 0.05 A	10 W	24	18	12	-
SVXH12H	120 / 277 Vac	0.30 / 0.08 A	29 W	0.13 / 0.05 A	10 W	40	30	20	12

\* Watts to 87 1/2% of rated battery voltage

## Temperature Codes

Lamp Rating	Temperature Code	Max Temperature	Replacement part #
6V 10W	T3C	160°C	580.0079
12V 12W	T3A	180°C	580.0080
12V 20W	T2D	215°C	580.0068