



SEVERE™ XVHZ & XVEHZ SERIES

Class I Division 2, Groups A, B, C and D, Hazardous Location Exit Sign

FEATURES

Construction

- Frame: Polyvinyl Chloride enclosure, fully gasketed around the lens, backplate and canopy to prevent water infiltration
- Faceplate: heavy-duty, vandal-resistant polycarbonate
- Backplate: heavy-duty 1/8 inch thick aluminum
- Junction Box: industrial-grade, made of die-cast aluminum
- Stainless steel tamper-proof screws (tamper-proof bit proved)
- Magnetically operated test switch
- 6 inch EXIT lettering legend, available in Red or Green

Mounting

- Surface Mount
- Single face model includes (1) faceplate, (1) back-plate and (1) junction box
- Double face model includes (2) faceplates and (1) junction box
- Junction box included for wall, end or ceiling mount applications
- Frame includes 1/2 inch conduit knock-out entry on top and sides.

Finishes

- Finished in industrial gray

Chevrons

- Faceplate includes two field-selectable, knock-out chevron indicators

LEDs

- Red or Green Long-Life Light Emitting Diodes (LED) illumination

Self-Diagnostics

- Self-Powered models available standard with Improved Diagnostics
- NEXUS® Wired or Wireless system compatible

Special Wording Panels

- Available. Contact your sales representative with your design requirements

Approvals

- CSA-US Listed for Hazardous Locations
- Evaluated to UL844 standard for Class I Division 2, Groups A, B, C and D
- Evaluated to UL924 and UL1598 standard
- Temperature Code: T6 (maximum 85°C, 185°F)
- Suitable for cold weather: -4°F (-20°C) (Self-Powered model with CW option) and -40°F (-40°C) (AC-only model standard)
- Meets NFPA101 (Life Safety Code), NFPA 70 NEC & OSHA illumination standards

Warranty

- Five-Year full warranty (subject to proper installation and maintenance)

ACCESSORIES

(Order as a separate item)

Tamper-Proof Bit (Extra)	690.0454-L
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POWER CONSUMPTION CHART

MODEL	AC SPECS		DC SPECS	
AC-Only Red	120/277VAC, 50/60Hz	Less than 2W	-	-
AC-Only Green	120/277VAC, 50/60Hz	Less than 1.5W	-	-
Self-Powered Red	120/277VAC, 50/60Hz	Less than 2W	Nickel-Cadmium battery	Minimum of 90 minutes
Self-Powered Green	120/277VAC, 50/60Hz	Less than 2.5W	Nickel-Cadmium battery	Minimum of 90 minutes

SPECIFICATIONS

Supply and Install Lightalarms® Severe™ XVHZ, XVEHZ Series.

The Exit Sign specified as single face shall be standard with (1) faceplate, (1) backplate and (1) junction box and specified as double face shall be standard with (2) faceplates and (1) junction box. Frame shall be fabricated of a Polyvinyl Chloride enclosure with full gasket around the lens, backplate and junction box. Faceplate lens shall be heavy-duty, vandal-resistant polycarbonate. Backplate shall be heavy-duty 1/8 inch thick aluminum. Canopy shall be constructed of die-cast aluminum. Shall include 1/2 inch electrical conduit entry on both sides and top of frame, a magnetically operated test switch and 6 inch EXIT lettering legend, available in Red or Green.

Frame, backplate and junction box shall be matching in color, (G) Gray. Faceplate shall be (G) gray with a (R) red or (G) green legend.

Stainless steel tamper-proof screws hold the faceplate(s) or backplate to the frame. The faceplate shall come standard with two field-selectable, removable knockout chevron indicators. The single face Exit Sign shall be suitable for surface mount, wall, end or ceiling installations. The double face Exit Sign shall be suitable for surface mount, end or ceiling installations.

The illumination source shall be Light Emitting Diodes (LED) in (R) red or (G) green color. The LEDs shall provide illumination in normal and emergency operation mode. The LEDs shall be mounted inside the Exit Sign housing. A color matching LED sensitive legend diffuser of (R) red or (G) green, shall be mounted in front of the LEDs to provide the 6" high by 3/4" stroke EXIT letters with even illumination and no visible LEDs or hot spots.

AC-Only models shall be 120/277VAC, 50/60Hz, with a power consumption of less than 2W.

Self-Powered models shall be 120/277VAC, 50/60Hz, with a power consumption of less than 2.5W and supplied with a sealed maintenance-free Nickel-Cadmium battery, providing at least 90 minutes illumination upon AC failure.

Self-Powered Exit Sign standard with Improved Diagnostics shall include a self-test and silent diagnostic function, managed by a micro-controller; it shall execute automatic tests for one minute every 30 days, 30 minutes every 60 days and 90 minutes annually. A diagnostic circuit shall continuously monitor the performance of the battery, charger module and LED lamps. When a fault is detected the 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 Exit Sign shall be tested by CSA-US Listed for Hazardous Locations, evaluated to UL844 standard for Class I Division 2, Groups A, B, C and D evaluated to UL924 and UL1598 standards, have a temperature code rating of T6 (maximum 85°C 185°F, shall be suitable for cold weather: -20°C (Self-Powered model with CW option) and -40°C (AC -only model) and shall meet NFPA101 (Life Safety Code), NFPA 70-NEC and OSHA illumination standards. Includes a five-year full warranty.

The Exit Sign shall be Lightalarms® Model _____.

TYPE _____
 CATALOG # _____

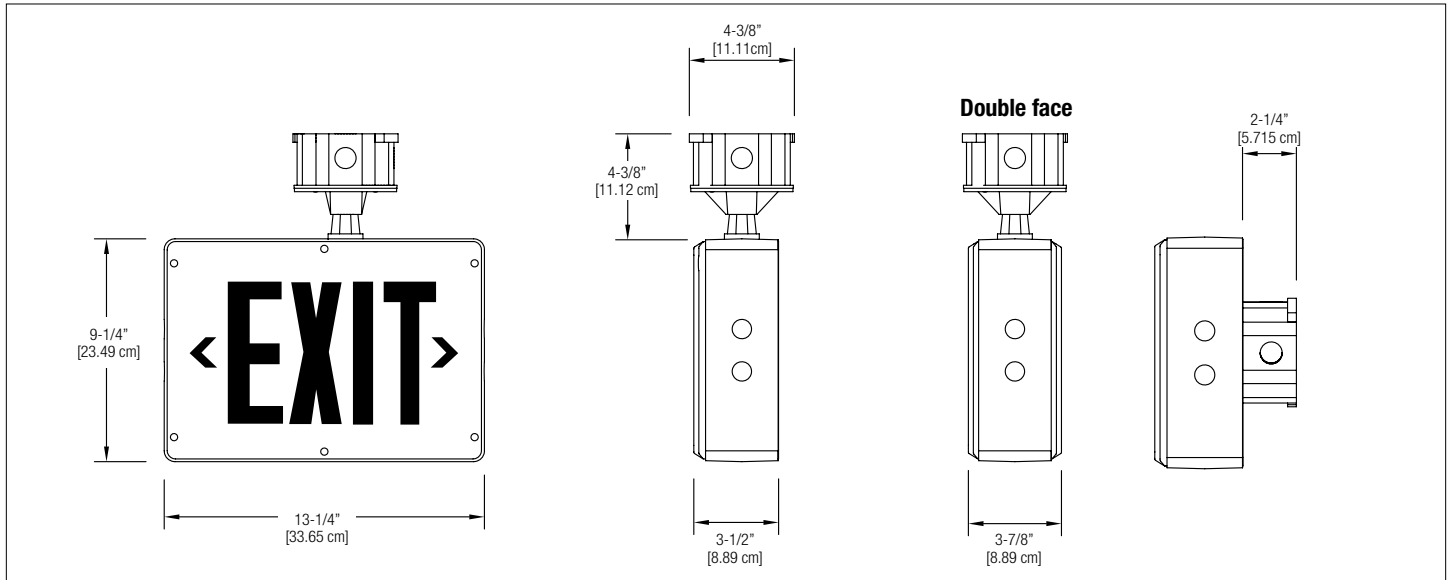
 NOTES _____

Ideally suited for areas with the potential for flammable gases, vapors or liquids to create an explosive atmosphere



DIMENSIONS

Dimensions are approximate and subject to change.



ORDERING FORMAT

HOUSING/FACE COLOR	SERIES	FACES	LEGEND COLOR	DIAGNOSTIC	OPTIONS
GG = Gray/Gray	XVHZ = AC-Only XVEHZ = Self-Powered	1 = Single Face 2 = Double Face	R = Red G = Green	Blank = AC-Only Models -D = Improved Diagnostic (included standard non audible) ¹ -NEX = Nexus® Wired ^{1,2} -NEXRF = Nexus® Wireless ^{1,2}	CW = Cold weather ¹
				¹ Available with Self-Powered models only. ² Consult your sales representative	¹ Self-Powered Model

EXAMPLE : GGXVEHZ2R-DCW

SEVERE™ CLASS 1, DIVISION 2 FAMILY

The **Severe™ XVHZ & XVEHZ** Exit Sign is part of the **Severe™** family of Class I Division 2 rated emergency lighting products. Extremely resistant to water, strong impacts, vibrations and variations in temperature, this family of products is ideally suited for areas with the risk of the presence of flammable gases, or vapors or liquids able to create an explosive gas atmosphere.



Severe™ XVH Combo Series
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Severe™ VH Battery Series
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Severe™ ELF 651 Remote Series
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