

Severe XVH



Hazardous Location Combination Exit Emergency Battery Unit Class I, Division 2 Compliant Exit Sign

The **XVH 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 **XVH Series** is ideally suited for areas with the risk of presence of flammable gases, vapors or liquids able to create an explosive gas atmosphere.

Sealed Maintenance-Free Batteries

- Nickel-Cadmium
- Nickel-Metal Hydride

APPLICATIONS

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

FEATURES

- CSA US listed for hazardous locations
- Evaluated to UL 844 standard for Class I Division 2, Groups A, B, C and D
- Evaluated to UL 924 and UL1598 standards
- Polyvinyl chloride frame, with built-in gasket to prevent water infiltration
- Designed for wall-mount installation only
- Heavy-duty 1/8-inch thick aluminum back plate with key-holes for secure wall-mount installation
- Comes standard with industrial-grade, die-cast aluminum junction box
- 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
- 1/2 inch electrical conduit entry on both sides and at the top

DIMENSIONS

Dimensions are approximate and subject to change.



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 unit shall automatically self test for a minimum of 30 seconds every 30 days, 30 minutes in the 6th month and 90 minutes annually.

OPTIONS

Description	Suffix
NEXUS® Interface	NEX
Improved-Diagnostics (Non-Audible)	D
Improved-Diagnostics (Audible)	DA

Accessories (order as a separate item)

Tamper-Proof Bit (extra)	TBP
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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

Note: Use qualified replacement lamps to avoid risk of over-heating

ORDERING FORMAT

GG	XVH	R	D	/2	M10
Housing / Face Color GG= grey/grey	Series XVH= 6v20w, NICD XVH12N= 12v 24w, NICD XVH12H= 12v 40w, NIMH	Legend Color R= Red Legend G= Green Legend	Diagnostic D= Improved diagnostics Non-audible DA= Improved diagnostics - Audible NEX= Nexus system interface -NEX= NEXUS® wired -NEXRF= NEXUS® wireless	# of Heads /0= 0 head* /2= Two heads *A remote load must be attached.	Lamp/Wattage M10= 6V - 10W MR16 M12= 12V - 12W MR16 M20= 12V - 20W MR16 High output *No other lamp option available.

Reliability

The **Severe XVH 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 are only wall mounted. The innovative, fully field adjustable lamp head assembly comes standard with a selection of MR16 lamps 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.

POWER CONSUMPTION

Model	AC Input (Vac)	Maximum		Stand-by		Unit Power*			
		Current (A)	Power (W)	Current (A)	Power (W)	1.5	2hrs	3hrs	4hrs
XVH	120 / 277	0.15 / 0.07	16	0.09 / 0.03	8	20	15	-	-
XVH12N	120 / 277	0.30 / 0.08	29	0.13 / 0.05	10	24	18	12	-
XVH12H	120 / 277	0.30 / 0.08	29	0.13 / 0.05	10	40	30	20	12

*National Electrical Code Specification