



# XV SERIES SEVERE EXIT

TYPE: \_\_\_\_\_  
 CATALOGUE #: \_\_\_\_\_  
 NOTES: \_\_\_\_\_



## Self-Powered Exit Sign is standard with Diagnostic/ Self-Testing circuitry

**NEMA 4X, NSF Rated, Harsh Environments**  
**Listed to UL924 Standards**

### Light Sources

- LED, Light Emitting Diodes

### Sealed Maintenance-Free Batteries

- Nickel-Cadmium

## Features

### Reliability

The Severe XV Series has a 5-year full warranty.

### Unit Data

- NEMA-4X rated
- Standard damp location listing (10°C to 40°C)
- AC-only and AC/DC signs are listed for use between at -40°C to +40°C

Rugged polyvinyl chloride body, will not dent, peel, rust or corrode. The sealed faceplate is constructed of heavy duty, vandal resistant polycarbonate and features an evenly illuminated legend. The fully gasketed faceplate is fastened with stainless steel tamper-resistant screws. Magnetically operated test switch. Models can be wall, end or ceiling mount. Legend and chevron complies with UL requirements.

Each unit comes standards with one tamper proof driver bit. To order extra part # 690.0454

### Low Energy Consumption:

**Reliability:** Severe XV Series signs are unaffected by the vibrations, ambient temperature swings and typical power surges detrimental to standard exit light sources.

*The Severe XV Series is designed specifically for high abuse areas, wet locations, and cold weather (-20°C) applications (specify the CW option). It is ideally suited for schools, parking garages, public areas, transit platforms, and security areas/prisons.*

## Applications

- High Abuse Areas, • Vandal Prone Areas,
- Damp and Wet Locations, • NEMA 4X rated,
- Hose Down Areas,
- Cold Temperatures,
- Food Processing/Preparation

## Optional Features

Description	Add Suffix
Dual Circuit Operation (120/120 or 277/277).....	-2*
Fire Alarm Activated Flasher .....	-F
Flasher/Buzzer (Self-Powered Only) .....	-FB
Flasher .....	-1
AC/DC (6 to 24Vdc) .....	-DC
Open face/special wording .....	-Y
Cold weather unit (-20°C).....	-CW

\* AC only units.

## High Performance Circuitry

- Self Contained... Batteries & circuitry located inside the exit housing.
- Continuous self-diagnostic monitoring and monthly self testing.
- Fully automatic charger is solid state.
- Universal 2 wire AC input (100 through 277VAC)
- Sealed, maintenance-free nickel cadmium provide 90 minutes of emergency operation.
- Batteries recharge per UL924 requirements.

## Diagnostic / Self Test Feature

Diagnostic / Self Test circuitry is standard on all self-powered models. This circuitry is programmed to ensure the exits readiness and reliability by continuously monitoring every critical function of the unit. If a problem occurs, a single "service required" LED 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 30 seconds every 30 days, 30 minutes every 60 days and 90 minutes annually.

## Power Consumption

Model	AC Specs		DC Specs	
	VAC	W	VDC	Min. 90 minutes
AC-only	120 to 277 VAC	1.2 W	-	-
AC/DC	120 to 277 VAC	1.2 W	6 to 24 VDC	Less than 1.5 W
Self-powered	120 to 277 VAC	3.7 W	NiCad battery	Min. 90 minutes

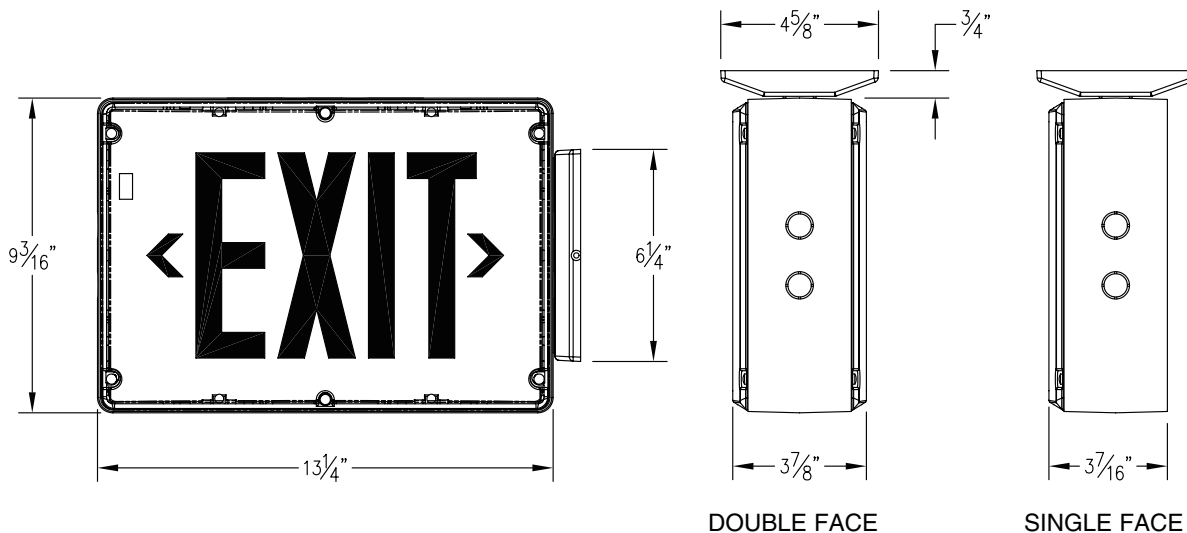
## Ordering Information

Example: XV-1-R-4X-2

Color	Series	Faces	Legend Colors	Diagnostics	Housing	Options
<b>Blank</b> = black/black	<b>XV</b> = AC only	-1= single face	-R= red	<b>Blank</b> = AC-only models	<b>-4X</b> = standard NEMA 4X housing	See optional features
<b>BW</b> = black/white	<b>XVE</b> = self-powered nickel cadmium battery	-2= double face	-G= green	<b>-D</b> = standard on all self-powered models		
<b>BA</b> = black/aluminum						
<b>GB</b> = gray/black						
<b>GW</b> = gray/white						
<b>GA</b> = gray/aluminum						
<b>WB</b> = white/black						
<b>WW</b> = white/white						
<b>WA</b> = white/aluminum						

# Specifications For Severe Series

## Multi-Purpose LED Exit Sign



**GENERAL:** Even illumination LED Exit Signs shall be Severe Series XV (AC Only) and XVE (Self Powered). Signs shall be installed to conform to the National Electrical Code®. Input power shall be universal, 2-wire input voltage 120 to 277Vac for both AC Only and Self Powered signs. Sign shall consume less than 1,2 watts for AC Only models and less than 3,7 watts for Self Powered models and shall conform to the requirements of the EPA Energy Star® Program. All sign shall be CSA NRTL, UL 924, NEMA-4X Enclosure, Suitable for Damp and Wet Location Rated, NSF Certified.

**CONSTRUCTION:** The housing is tough UV stabilized, polyvinyl chloride, with a faceplate constructed from polycarbonate, gasketed to the body and fastened with stainless steel temper-resistant screws. The exit legend shall have field selectable chevron knockouts. Letters shall be 6" high with a 3/4" stroke. Low profile canopy shall be supplied for both AC only and Self Powered models.

**LAMP:** The sign shall be provided with energy efficient, long life and cold LED's. Red LED's shall be of ALINGAP technology. A color enhanced special diffuser shall be mounted in front of the LED's to provide full even illumination.

### SELF POWERED MODELS

**GENERAL:** Nickel Cadmium Battery and all integrated circuitry shall be mounted inside the exit housing. In the event of a power failure the exit sign shall be illuminated for a minimum of 90 minutes.

**CHARGER:** An automatic, solid state charger shall be provided.

**BATTERY:** The self powered unit will contain a Nickel-Cadmium battery housed within the exit housing.

**CONTROLS:** A magnetic test switch, AC on and fault LED indicators. Self Diagnostics shall be standard on all self powered models. The diagnostics fault indicators will be internal and shall indicate the problem that may exist with the charger and or battery.

### WARRANTY\*:

**Units:** Exit signs shall carry a full 5 year warranty.

**Batteries:** The Nickel-Cadmium battery shall carry a 5 year warranty plus a 5 year pro-rata.

\*Subject to proper installation and maintenance.

Complies with NEC, NFPA Life Safety Code, NSF Certified and OSHA requirements.

### MANUFACTURER:

Unit Shall be Lightalarms Model: \_\_\_\_\_

