VEX-S Series

Universal Steel LED Exit Sign

Attractive and easy to install. The VEX-S offers quality LED illumination and electronics in a durable steel enclosure. The VEX-S is ideal for any commercial, institutional, or industrial application.

Model: _____ Date: _____

Accessories: _____

Job Name: _____ Type: _____

FEATURES

- Enclosure constructed of 20 gauge welded steel
- Universal style - includes 2 face plates, a back plate and mounting canopy
- Charge rate/ power “ON” LED indicator light with test button
- Low voltage disconnect eliminates deep discharge
- Brown-out, short circuit and voltage surge protection
- Maintenance-free NiCad battery
- Ceiling, wall or end mount
- UL listed 90 minute emergency run time, 24 hour recharge time
- Constant, uniform illumination by long-life, high intensity, red or green LEDs
- Fully-illuminated 6” characters with 3/4” stroke
- Damp rating (standard)
- Field selectable directional chevron knockouts
- 120/277V dual primary, 60Hz input
- Standard finishes: Black or White

WARRANTY

Any component that fails due to manufacturers defect is guaranteed for 5 years with a separate 5 year pro-rated warranty on the battery. The warranty does not cover physical damage, abuse or acts of God. See the full Exitronix warranty document for detailed information.

ORDERING INFORMATION **Example:** VEX-U-S-WB-WH

Series	**Style**	**Housing Type**	**Power Source**	**Finish**	**Accessories**[2] (Field Installed)
VEX = Red	U[1] = Universal	S = Steel	LB = AC Only	WH = White	WG-1 = Wire Guard (Back Mount)
GVEX = Green			WB = With Battery	BL = Black	WG-2 = Wire Guard (End Mount)
					WG-3 = Wire Guard (Ceiling Mount)
Notes					XG-1 = Poly Guard (Back Mount)
[1] Universal includes 2nd exit face and backplate					XG-3 = Poly Guard (Ceiling Mount)
[2] Order as separate line item					

CONSTRUCTION

Our steel VEX exit enclosure and mounting canopy are 22 gauge galvanized steel with baked-on, powder coated paint. Face plate is .031 thick steel and has 3/4" black letters with red or green LEDs.

Stencil letters are 6” high with 3/4” stroke, with minimum of 100 ft viewing distance rating as required by UL924 standard.

ILLUMINATION

Illumination of the VEX-S series is accomplished utilizing high-intensity, long-life LEDs exceeding UL 924 requirements for brightness and uniformity. LEDs provide excellent illumination while maximizing energy efficiency. LEDs are a maintenance-free solution, providing up to 100,000 hours of use without failure.

ELECTRICAL

Input

Dual-voltage input 120 or 277VAC @ 60Hz.

Sealed Nickel Cadmium Battery – NiCad (With Battery Only)

Exitronix sealed nickel cadmium batteries are maintenance-free with a life expectancy of 15 years. Nickel cadmium batteries offer high discharge rates and continue to perform in a vast temperature range from 0-40 degrees C. NiCad technology provides long lasting, safe and reliable performance by utilizing the jelly-roll design and allows a Ni-Cad cell to deliver a much higher maximum current than an equivalent size alternative battery. As a relatively larger area of the electrode is in contact with the active material in each cell, the internal resistance for an equivalent sized NiCad cell is lower which increases the maximum current that can be delivered.

Emergency

The VEX-S series exit will operate for a minimum of 90 minutes during a loss of power with a 24 hour maximum recharge time for the battery.

Brownout Circuit

The brownout circuit monitors the flow of AC current to the unit and triggers the emergency lighting system once a set reduction of AC power occurs. This dip in the voltage will cause many fixtures to extinguish causing loss of normal lighting even though a total power failure has not occurred.

Low Voltage Disconnect

When the battery’s terminal voltage falls below predetermined levels, the low-voltage circuit disconnects the emergency lighting load. The disconnect remains in effect until normal power is restored, preventing deep battery discharge and improving the life of the battery. The disconnect will also automatically reconnect the load circuit once the battery voltage returns to a normal value after charging.

Solid-State Transfer

The unit features a solid-state switching transistor which eliminates damaged contacts or mechanical failures associated with relays. The switching circuit is designed to detect a loss of AC power and automatically energizes the lamps. Upon restoration of the AC voltage, the emergency lamps will switch off and the charger will automatically recharge the battery.

Overload and Short-Circuit Protection

The solid-state overload monitoring system in the DC circuit disconnects the lamp load from the battery should excessive wattage demands be made and automatically resets when the overload or short-circuit is removed. This overload current protective characteristic eliminates the need for fuses or circuit breakers for the DC load.

Test Button

Our easily located test button allows for manual verification of proper operation of the transfer circuit and emergency lamps.

INSTALLATION

Interchangeable stencil face and/or back plate slide-fit flush into frame for optimum light seal. Fastening is done by means of a Phillips head screw located in the center bottom frame. Back plate is supplied with a universal knockout pattern for quick, easy installation. Canopy is low profile and offers simple installation for either top or side mount.

Made in the USA (Option: USA)

Many of our products can be produced or transformed to comply with the American Recovery and Reinvestment Act of 2009 (ARRA) requirements and Buy American provisions. These fixtures meet LEVEL 2 compliance when option is requested – please call factory for details with questions.

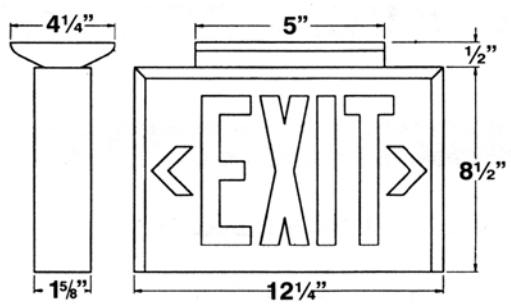
Damp Location Rated (Option: DR)

Damp location rating ensures the fixture is designed to operate safely in outdoor locations that are protected from the direct elements. Damp location rated fixtures may be installed indoors. Products with damp location ratings are not designed to withstand constant or significant moisture or direct contact with water or steam.

CONFORMANCE TO CODES & STANDARDS

The VEX-S Series is UL listed and meets or exceeds the following: UL 924, NEC requirements and NFPA 101.

DIMENSIONS



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800.533.3948 • www.barronltg.com