

Model Number: Accessories: Job:	Approvals: Type:
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FEATURES

- Compact, low profile design
- Easy to install, snap together design
- Rugged, injection-molded UL94 V-0 flame retardant, high-temperature thermoplastic housing
- Remote capabilities (6 volt) up to 27 watts - Sealed lead calcium battery standard with remote option
- Universal style includes 2 face plates, back plate and mounting canopy and can be ceiling, wall or end mounted
- Low voltage disconnect eliminates deep discharge
- Brown-out, short circuit and voltage surge protection
- Overcharge protection
- Maintenance-free NiCad battery
- 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
- Optional Guardian Self-Test/Self-Diagnostics (G2) available
- Chevron-style, universal arrow knockouts
- 120/277V dual primary, 60Hz input
- Standard finishes: Black or white
- Suitable for damp location
- Fixture series may be built to comply with the American Recovery and Reinvestment Act of 2009 (ARRA) requirements and Buy American provisions - call factory for details



Custom legends available

Attractive and easy to install. The VEX Series combines quality LED illumination with contemporary, soft corner styling to complement any application. Battery packs are completely self-contained and offer expanded wattages for remote lighting requirements.



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. Manufacturer reserves the right to charge for such repairs if deemed necessary.

SPECIFICATIONS ARE SUBJECT
TO CHANGE WITHOUT NOTICE

ORDERING INFORMATION Example: VEX-U-BP-WB-WH-G2

Series	Style	Housing Type	Power Source	Finish	Options (Factory Installed)	Accessories ⁷ (Field Installed)
VEX = Red	U ¹ = Universal	BP = Plastic	LB = AC Only	WH = White	G1 ² = Self-Diagnostics	ER1-KIT = 1' Pendant Mount Kit
GVEX = Green			WB = With Battery	BL = Black	G2 ² = Self-Test/Self-Diagnostics	ER2-KIT = 2' Pendant Mount Kit
					DL ³ = LED Down Light	VEPA = Pendant Adapter
					FL ³ = Flasher	WG-1 = Wire Guard (Back Mount)
					BZ ³ = Audible Alarm	WG-2 = Wire Guard (End Mount)
					FB ³ = Flasher & Audible Alarm	WG-3 = Wire Guard (Ceiling Mount)
					A1 ³ = Fire Alarm Interface w /FL	XG-1 = Poly Guard (Back Mount)
					A2 ³ = Fire Alarm Interface w/ FB	XG-3 = Poly Guard (Ceiling Mount)
					2CI ⁴ = 2 Circuit Input	
					R6 ⁵ = 6 Watts Remote Capacity	
					R12 = 12 Watts Remote Capacity	
					R27 = 27 Watts Remote Capacity	
					220 = 220VAC, 50Hz Input	
					SS ⁶ = Specialty Signs	
					USA = Meets Buy America Requirements	

¹ Universal includes 2nd exit face and backplate

² Not available with any other options

³ Not available on units with remote capacity

⁴ LB only, for use with inverter or generator applications only

⁵ R6 option will power up to (4) CLED remote heads only

⁶ Consult factory for alternate legends and custom configurations, not compatible with remote capable option

⁷ Order as separate line item

CONSTRUCTION

The VEX series is constructed of a precision-molded housing constructed of 5VA flame retardant, corrosion proof, UV stable thermoplastic. N.F.P.A. approved Field-selectable chevrons. Units resist denting, peeling, scratching and corrosion.

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 series is achieved with high output, long lasting red or green LEDs. An exclusive color-matched diffuser eliminates hot spots and striations, providing optimal light output. 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)

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 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

Simple snap together universal design allows for faceplate and back plate to be fully interchangeable. Mounting canopy is supplied with all signs and snaps into enclosure with two positive locking tabs.

Damp Location Rated

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.

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.

Guardian Self-Diagnostic (Option: G1)

The Guardian circuit continuously monitors the operating condition of the battery charging circuit and battery supply voltage.

The purpose of this option is to provide visual signaling in response to a fault at the EXIT sign battery and/or battery charger. If a failure is detected, visual status will occur immediately via the CHARGER LED and/or the BATTERY FAULT LED. The LEDs will stay illuminated until the fault is corrected.

Guardian Self-Test/Self-Diagnostics (Option: G2)

The Guardian circuit continuously monitors the operating condition of the AC power, battery supply voltage, emergency lamp continuity and charging circuit.

The purpose of this option is to provide visual signaling in response to a fault at the EXIT sign battery and/or battery charger. If a failure is detected, visual status will occur immediately via the CHARGER LED and/or the BATTERY FAULT LED. The LEDs will stay illuminated until the fault is corrected.

The Guardian circuit also monitors the transfer circuit as well as performing automatic code compliant testing. The Guardian circuit will perform a 30 second discharge and self-test every 28-30 days. A 90 minute discharge and self-test is performed every 6 months.

Flasher (Option: FL)

When normal power is lost and the emergency unit goes into back up power mode, this unit will flash on and off – providing a highly visual signal as to emergency status.

Audible Alarm (Option: BZ)

When normal power is lost and the emergency unit goes into back up power mode, this unit will buzz – providing a highly audible signal as to emergency status.

Flasher & Audible Alarm (Option: FB)

When normal power is lost and the emergency unit goes into back up power mode, this unit will flash on and off while buzzing – providing a highly visual and audible signal as to emergency status.

Fire Alarm Interface (Option: A1 or A2)

Our fire alarm interface option ties into the building's fire alarm system allowing for exits and emergency units to be triggered prior to loss of power.

A1: Fire alarm interface including Flasher option

A2: Fire alarm interface including Buzzer option

Two-Circuit Operation (Option: 2CI)

Two circuit operation features for emergency lighting allows the dual input of power sources for units less battery (AC only).

The purpose of this feature is to provide the compatibility of our emergency units in applications where inverters or alternate back up power sources are utilized.

Remote Capable (Option: R6, R12 or R27)

R6 option provides this unit with up to an additional 6 watts of remote for use with CLED lamp heads.

R12 option provides this unit with up to an additional 12 watts of remote for use with RENEGADE or standard lamp heads.

R27 option provides this unit with up to an additional 27 watts of remote for use with RENEGADE or standard lamp heads.

Custom and Specialty Legends – Optional - (Option: SS)

Exitronix offers a variety of standard specialty signs designed to provide directional or safety information in applications where clear and accurate delivery of information is required.

Examples of specialty legends include:

- “X-RAY IN USE”
- Restroom Signage
- “NO SMOKING”
- AREA OF RESCUE ASSISTANCE" with ADA Symbol on Left or Right
- “ON THE AIR”
- “DO NOT ENTER”
- “OCCUPIED”

Custom Legends are also available – please call factory for details with questions.

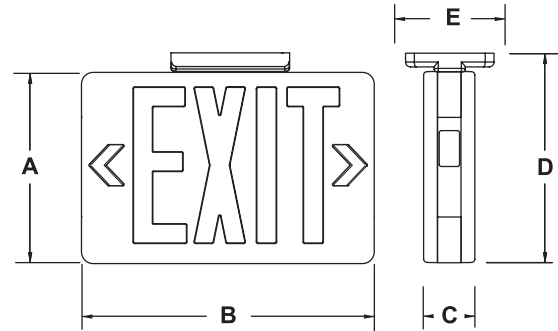
CONFORMANCE TO CODES & STANDARDS

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

WATTAGE CONSUMPTION

Voltage	Steady State Input Watts	Steady State Max Amps
120	3.6 Watts	0.03 Amps
277	2.77 Watts	0.01 Amps

DIMENSIONS



	A	B	C	D	E
VEX	7.5"	12.75"	1.75"	8.5"	4.8125"
VEX-R6	8"	12"	2"	9"	4.8125"
VEX-R12	10"	13.75"	2.75"	11"	4.8125"
VEX-R27	10"	13.75"	2.75"	11"	4.8125"