

Attractive and easy to install, the VEX Series combines contemporary styling with quality LED illumination. The optional patent pending Numeric Indicator option (G2-NI) provides additional peace of mind with maintenance innovations to complement any application.

Model: _____ Date: _____
Accessories: _____
Job Name: _____ Type: _____

FEATURES

- Compact, low profile design
- Easy to install, snap together design
- Rugged, injection-molded UL 94 5VA flame-retardant, high-temperature thermoplastic housing
- Easy maintenance features with G2-NI option
 - Tool-less battery access door on front exit face plate
 - Isolated battery compartment for safe installation and maintenance
 - Hinged door helps prevent loss or misplacement during installation and maintenance
 - Guardian Self-Test/Self-Diagnostics with Numeric Indicator for error status/fault display
- Ceiling, wall or end mounted
- 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
- Field selectable directional chevron knockouts
- 120/277VAC dual primary, 60Hz input
- Standard finishes: Black or White
- Consult factory for alternative speciality signs
- Suitable for Damp Locations
- Fixture series may be built to comply with the American Recovery and Reinvestment Act of 2009 (ARRA) requirements (USA option) - contact factory for details



Numeric Indicator for dependable visual status and fault detection. Only available with G2-NI option.



Tool-less hinged door for easy and safe access to isolated low voltage battery compartment. Only available with G2-NI option.



WARRANTY

Any component that fails due to a manufacturing defect is guaranteed for five years with a separate five year pro-rated warranty on the battery. The warranty does not cover physical damage, abuse or instances of uncontrollable natural forces. See the full Exitronix warranty document for detailed information.

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

Series	Style	Housing Type	Power Source	Finish	Options (Factory Installed)	Accessories ⁸ (Field Installed)
VEX = Red	U ¹ = Universal	BP = Plastic	LB = AC Only	BL = Black	220V ³ = 220VAC, 50Hz Input	ER1-KIT ⁷ = 1' Pendant Mount Kit
GVEX = Green	1 ² = Single Face		WB = With Battery	WH = White	2C1 ⁴ = 2 Circuit Input	ER2-KIT ⁷ = 2' Pendant Mount Kit
					G2 ⁵ = Self-Test/Self-Diagnostics	VEPA = Pendant Adapter
					G2-NI ^{5,6} = Self-Test/Self-Diagnostics with Numeric Indicator and Battery Access Door	WG-1 = Wire Guard (Back Mount)
					USA = Meets Buy America Requirements	WG-2 = Wire Guard (End Mount)
						WG-3 = Wire Guard (Ceiling Mount)
						XG-1 = Poly Guard (Back Mount)
						XG-3 = Poly Guard (Ceiling Mount)
Notes					Note: See Specialty Signage specification for custom/alternate legends	
¹ Universal includes second exit face (without battery door) and backplate						
² Available for Speciality Signs only - not compatible with G2-NI option						
³ 220VAC not available with G2-NI option						
⁴ 2C1 not available with WB, G2 or G2-NI						
⁵ G2 and G2-NI not available with LB						
⁶ Only option available with Battery Door on front exit face plate						
⁷ Requires VEPA option						
⁸ Order as separate line item						

CONSTRUCTION

The VEX Series is constructed of a precision-molded housing utilizing 5VA flame-retardant, corrosion-proof thermoplastic. Units resist denting, peeling, scratching and corrosion. White or Black finish.

CONSTRUCTION (Option: G2-NI)

Hinged battery access door on front exit face plate provides tool-less battery access. Low voltage battery compartment is isolated from line voltage for safe battery access. A velcro battery strap is included as an additional safety feature. This operation does not require a qualified electrician to open the entire unit.

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.

Nickel Cadmium Battery – NiCad

Exitronix nickel cadmium batteries are maintenance-free with an average life expectancy of 15 years. Nickel cadmium batteries offer high discharge rates and continue to perform in a vast temperature range from 32°F to 104°F (0°C to 40°C).

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.

Solid-State Transfer

The circuit features solid-state switching for emergency backup, eliminating concerns of damaged contact or mechanical failures associated with relays. The switching circuit detects a loss of line voltage and automatically switches to emergency mode.

Test Button

The test button is easy to locate and provides manual verification of the transfer circuit and emergency backup.

Damp Location Rated

Damp Location Rated fixture that is normally or periodically subject to condensation of moisture in, on or adjacent to, and includes partially protected locations.

Brownout Circuit

Brownout circuit monitors the line voltage, as the line voltage sags and can no longer illuminate the exit sign to meet UL 924 visibility test, the emergency circuit will turn on to supply a portion or all the power to illuminate the sign for a minimum of 90 minutes until the line voltage is restored.

INSTALLATION

Simple snap together universal design allows for face plate and back plate to be fully interchangeable. Note: Face plate for G2-NI option includes battery door and is intended for front of exit sign. Mounting canopy is supplied with all signs and snaps into enclosure with two positive locking tabs.

Assembled 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. These fixtures meet LEVEL 2 compliance when option is requested, contact factory for details.

Guardian Self-Test/Self-Diagnostics with Numeric Indicator and Battery Access Door on Front Exit Face Plate (Option: G2-NI)

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 Numeric Indicator. The code will display 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 90 minute self-test every 180 days. A one minute manual test can be initiated by the user.

Code	Description	Code	Description
0	Normal Operation (Charged)	5	LED Failure
1	Battery Charging	6	Low Battery Voltage
2	Emergency Mode	7	Manual Testing (1 minute)
3	Battery Recharge Failure	8	Self Testing (90 minutes)
4	Battery Disconnected		

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

The Guardian bi-color circuit is factory preset; without any field adjustments needed. It continuously monitors the performance condition of the AC power, battery supply, and charging circuitry.

The intent of this option is to provide visual signaling to identify fault at the Exit. Fault indicators are as follow:

Battery Disconnection: (Steady RED)

Battery Recharge Failure: (Flashing RED)

Battery Failure: (RED Blinking '2' times)

LED Failure: (RED Blinking '3' times)

Two-Circuit Operation (Option: 2C1) Brownout Circuit

Two-circuit input allows for a primary and auxiliary power source to be connected to the emergency unit that does not contain a battery. These two power sources cannot be live at the same time. Applications include those with inverters or alternate backup power sources.

CONFORMANCE TO CODES & STANDARDS

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

DIMENSIONS

