

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.

FEATURES & BENEFITS

- Available as single-face or universal style that includes 2 faceplates, a backplate and mounting canopy
- Easy maintenance features with G2-NI option
 - Tool-less battery access door on front exit faceplate
 - 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
- California Energy Commission (CEC) compliant
- American Recovery and Reinvestment Act (ARRA) compliant (with USA option)

SPECIFICATIONS

Illumination: Long-life, high-intensity, red or green LEDs

Housing: Rugged, injection-molded UL 94 5VA flame-retardant, high-temperature thermoplastic housing

Input: 120/277VAC dual primary, 60Hz

Battery: Maintenance-free NiCad battery

Run Time: UL Listed 90 minute emergency run time, 24 hour recharge time

Legend: Fully-illuminated 6" characters with 3/4" stroke and field-selectable directional chevrons

Mounting: Ceiling, end or wall mounted, canopy included

Finishes: Black or White

Options: 220 = 220VAC, 50Hz Input
G2 = Self-test/Self-diagnostics
G2-NI = Self-test/Self-diagnostics with Numeric Indicator and Battery Access Door
USA = Meets Buy America Requirements

Certifications: UL Listed for Damp Locations and meets or exceeds the following: NEC requirements and NFPA 101. California Energy Commission (CEC) compliant

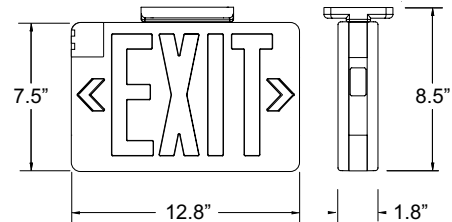
Warranty: Any component that fails due to a manufacturing defect is guaranteed for five years with a separate five year prorated warranty on the battery. The warranty does not cover physical damage, abuse or instances of uncontrollable natural forces. See the full Exitronix warranty document for detailed information. (Terms and Conditions apply)



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.



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

Series	Style	Housing Type	Power Source	Finish	Options (Factory Installed)
VEX = Red	U ¹ = Universal	BP = Plastic	LB = AC Only	BL = Black	220V ³ = 220VAC, 50Hz Input
GVEX = Green	1 ² = Single-face		WB = With Battery	WH = White	G2 ⁴ = Self-test/Self-diagnostics
			2C11 = 120V 2 Circuit Input		G2-NI ^{4,5,6,7,8,9} = Self-test/Self-diagnostics with Numeric Indicator
			2C17 = 277V 2 Circuit Input		and Battery Access Door
					USA = Meets Buy America Requirements

Notes	Accessories ¹⁰ (Field Installed)
¹ Universal includes second exit face (without battery door) and backplate	ER1-KIT-XX ¹¹ = 1' Pendant Mount Kit (WH or BL)
² Available for Specialty Signs only - not compatible with G2-NI option	ER2-KIT-XX ¹¹ = 2' Pendant Mount Kit (WH or BL)
³ 220VAC not available with G2-NI, 2C11 or 2C17 option	VEPA = Pendant Adapter
⁴ G2 and G2-NI not available with LB, 2C11 or 2C17 option	WG-S = Wire Guard (Back Mount)
⁵ Only option available with Battery Door on front exit faceplate	XG-1 = Poly Guard (Back Mount)
⁶ G2-NI not available with CEC compliance	XG-3 = Poly Guard (Ceiling Mount)
⁷ G2-NI UL Listed for US only	
⁸ Does not meet BAA requirements	
⁹ Consult factory for lead times	See Specialty Signage specification for custom/alternate legends
¹⁰ Order as separate line item	See Social Distance Signage specification for social distancing legends
¹¹ Requires VEPA option	

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. Black or White finish.

CONSTRUCTION (Option: G2-NI)

Hinged battery access door on front exit faceplate 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 and continue to perform in a vast temperature range from 0°C to 40°C (32°F to 104°F).

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.

Two-Circuit Operation (2C11 or 2C17)

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.

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 faceplate and backplate to be fully interchangeable. Note: Faceplate 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.

OPTIONS

Assembled in the USA (Option: USA)

Can be produced or transformed to comply with the American Recovery and Reinvestment Act of 2009 (ARRA) requirements and Buy American provisions.

Specialty Signage

For custom/alternate legends, see our [Specialty Signage](#) specifications.

Social Distancing Signage

For social distancing legends, see our [Social Distancing Signage](#) specifications.

Guardian Self-Test/Self-Diagnostics with Numeric Indicator and Battery Access Door on Front Exit Faceplate (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
0	Normal Operation (Charged)
1	Battery Charging
2	Emergency Mode
3	Battery Recharge Failure
4	Battery Disconnected

Code	Description
5	LED Failure
6	Low Battery Voltage
7	Manual Testing (1 minute)
8	Self Testing (90 minutes)

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)

CONFORMANCE TO CODES & STANDARDS

The VEX Series is cULus 924 Listed for Damp Locations, CEC compliant and meets or exceeds the following: UL 924, NEC requirements and NFPA 101.

Specifications are subject to change without notice. Installation must be performed in accordance with Barron Lighting Group installation instructions.