

The VEX-WP is an exceptional blend of style and economy for any outdoor application. A fully-gasketed lens and housing enable the VEX-WP to perform well in wet location installations.

Model: \_\_\_\_\_ Date: \_\_\_\_\_  
 Accessories: \_\_\_\_\_  
 Job Name: \_\_\_\_\_ Type: \_\_\_\_\_

**FEATURES**

- Ideal for wet location applications in extreme conditions
- UV stabilized, rugged injection-molded, UL94 5VA flame retardant, high-temperature polycarbonate housing
- Impact-resistant, polycarbonate shield offers extreme protection
- One-piece, molded, weather-proof silicone gasket
- Charge rate/ power "ON" LED indicator light with test button
- Standard internal battery heater for cold locations (-20°C - 50°C)
- Low voltage disconnect eliminates deep discharge (G2 only)
- Brownout (G2 only)
- Short circuit protection
- Maintenance-free NiCad battery
- UL listed 90 minute emergency run time, 24 hour recharge time
- Ceiling, wall or end mount
- Constant, uniform illumination by long-life, high intensity, red or green LEDs
- Universal J-Box mounting system
- Fully-illuminated 6" characters with 3/4" stroke
- Optional Guardian Self-Test/ Self-Diagnostics (G2) available
- Field selectable directional chevron knockouts
- 120/277V dual primary, 60Hz input
- Standard finishes: Black, White or Gray



**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 instances of uncontrollable natural forces. See the full Exitronix warranty document for detailed information.



**ORDERING INFORMATION Example: VEX-WP-1-WB-WH-G2**

Series	Style	Power Source	Finish	Options (Factory Installed)
VEX-WP = Red	1 = Single Face	LB = AC Only	WH = White	2CI <sup>2</sup> = 2 Circuit Input
GVEX-WP = Green	2 = Double Face	WB = With Battery	BL = Black	G2 <sup>1</sup> = Self-Test/Self-Diagnostics
			GR = Gray	TRH = Tamper Resistant Hardware

Notes

<sup>1</sup> G2 only available on With Battery (WB) units

<sup>2</sup> LB only, for use with inverter or generator applications only

## CONSTRUCTION

Rugged, injection-molded UL94 5VA flame retardant, high-temperature polycarbonate housing is available in white, black or gray with impact-resistant, polycarbonate lens. Universal knockouts on back plate for wall mount and polycarbonate canopy included for top or end mounting.

## ILLUMINATION

Illumination of the VEX-WP Series is achieved with ultra bright, energy efficient, long-lasting red or green LEDs provide reliable, uniform illumination. 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

### Nickel Cadmium Battery - NiCad (With Battery Only)

Exitronix NiCad batteries are maintenance-free with a life expectancy of 15 years. NiCad 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).

### Brownout Circuit (G2 only)

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 90mins until the line voltage is restored.

### Low Voltage Disconnect (G2 only)

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 circuit features solid-state switching for emergency lamps, 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.

### Overload and Short-Circuit Protection

The overload monitoring system is a solid state circuit which monitors the lamp load and disconnects from the battery shall an overload or short circuit occur. The overload current protection eliminates the need for fuses or circuit breakers for the DC load.

### Test Button

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

## INSTALLATION

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

## Wet Location Rated (Standard)

Wet location rated fixture that allows water or other liquids to drip, splash or flow on or against. The construction prevents the accumulation of water on live parts.

## Cold Location Rated (Standard)

The VEX-WP is cold location rated and is suitable for temperature ranges from -20 deg C (-4 deg F). This is ideal for colder climates or freezer/cold room applications.

## OPTIONS

### 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.

### Two-Circuit Operation - (Option: 2CI)

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

### Tamper Resistant Hardware - (Option: TRH)

Tamper resistant hardware adds an additional layer of protection to the unit, preventing unwanted access to the interior of the unit or removal of the face plates.

## CONFORMANCE TO CODES & STANDARDS

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

## DIMENSIONS

