

**FEATURES**

- Ideal for wet location applications in extreme conditions
- Rugged, injection-molded UL94 V-0 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
- 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
- Universal Mounting - Ceiling, back 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
- Chevron-style, universal arrow
- 120/277V dual primary, 60Hz input
- Standard finishes: Black, white or gray



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.



**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-WP-1-WB-WH-G2

| Series          | Style           | Power Source      | Finish                 | Options (Factory Installed)                      |
|-----------------|-----------------|-------------------|------------------------|--------------------------------------------------|
| VEX-WP = Red    | 1 = Single Face | LB = AC Only      | WH = White             | G2 <sup>1</sup> = Self-Test/Self-Diagnostics     |
| GVEX-WP = Green | 2 = Double Face | WB = With Battery | BL = Black             | 2CI <sup>2</sup> = 2 Circuit Input               |
|                 |                 |                   | GR = Gray              | TRH = Tamper Resistant Hardware                  |
|                 |                 |                   | GW = Gray w/White Face |                                                  |
|                 |                 |                   |                        | <b>Accessories<sup>3</sup> (Field Installed)</b> |
|                 |                 |                   |                        | TRHT-8H-10H = Tamper Resistant Tool              |

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

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

<sup>3</sup> Order as separate line item

## CONSTRUCTION

Rugged, injection-molded UL94 V-0 flame retardant, high-temperature polycarbonate housing is available in white, black, gray or gray with white face with impact-resistant, polycarbonate lens. Universal knockouts on back plate for wall mount and polycarbonate canopy included for top or end mounting.

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-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

### 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.

### 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 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 fixtures can be used in applications where moderate contact with water can be expected. Wet-location rated products are designed to be reasonably watertight; they require a seal around the base, canopy, or bracket to protect the electrical service from moisture.

## 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 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.

### 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

