

Model Number:

Type:

Job:

Approvals:

## STANDARD FEATURES

- Damp location rated
- Fully adjustable 5 watt halogen lamp heads
- Reliable, long-lasting LED illumination, uses less than 3 watts
- Optional G2 self-test/self-diagnostics available
- Universal, field-selectable chevrons
- Automatic brownout protection
- Compact, streamlined design
- Contractor friendly, snap-together design
- Built in conduit mounting feature
- UV stable, thermoplastic components
- UL 94-5VA flame rating
- 120/277V dual primary 60Hz input
- Automatic solid state charger
- Low voltage disconnect protects battery
- 5 year warranty
- ETL Listed (conforms to UL924)
- 90 minute emergency run time
- Momentary test switch and LED charge indicator



The Exitronix VEX-EL50H Thermoplastic Combination Units combine a low-profile, contemporary appearance with economy and dependability. It's compact, streamlined design features fully adjustable designer heads to compliment any environment. Constructed of of an injection-molded, UL 94-5VA flame retardant, high-impact, thermoplastic housing, this durable unit will provide years of reliable service. The VEX-EL50H is completely self-contained, and features two 5 watt halogen lamps. Red or green LED illumination consumes less than 3 watts, with an expected lamp life of 25 years or more.

## DIMENSIONS



## WARRANTY

Any component that fails due to manufacturer's defect is guaranteed for 1 years with a separate 5 year pro-rated warranty on the battery. The warranty does not cover physical damage, abuse or acts of God. Exitronix reserves the right to charge for such repairs if deemed necessary.

SPECIFICATIONS ARE SUBJECT  
TO CHANGE WITHOUT NOTICE



## CONSTRUCTION

Enclosure is constructed of precision molded, UL 94-5VA flame rated, UV stable, high-impact thermoplastic. Units resist denting, peeling, scratching and corrosion. Not recommended for outdoor use.

## ILLUMINATION

Units come standard with two fully adjustable MR-16, 6 volt, 5 watt, halogen lamps. Fully illuminated 6" letters with 3/4" stroke is achieved with high output, long lasting red or green Light Emitting Diodes (LEDs). An exclusive color-matched diffuser eliminates hot spots and striations, providing optimal light output. LEDs and electronics have an expected service life of 25 years.

## ELECTRONICS

Dual voltage, 120 volt or 277 volt input. Circuit provides automatic brownout, short circuit, and overload protection. A momentary test switch and LED charge indicator are included.

## BATTERY

Maintenance-free, pure lead battery provides an estimated service life of 10 years with an operating temperature range of 65°F (19°C) to 85°F (30°C).

## CODE COMPLIANCE

The VEX-EL50H Series meets or exceeds all performance standards as required by UL 924, NFPA 70, NFPA 101, NEC, and OSHA.

## ORDERING INFORMATION

LED COLORS	MODEL	FACE STYLE	POWER	COLOR	LAMP HEADS	OPTIONS
Blank = Red G = Green	VEX	U = Universal (includes 2 face plates, back plate and mounting canopy)	WB = Battery Backup	WH = White BL = Black	EL50H = (2) 5 Watt Halogen Lamps	G2 = Self-Test/ Self-Diagnostics

**EXAMPLE: GVEX-U-WB-WH-EL50H**

<b>YOUR LOCAL REPRESENTATIVE IS:</b>

## EMERGENCY OPERATION

120/277 VAC dual voltage input with surge protected, solid-state charging circuitry provides for a reliable charging system. The charging system is furnished with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch. The low voltage disconnect (LVD) feature will disconnect the battery prior to an unacceptable deep discharge, but not before the required 90 minute emergency operation. The AC lockout feature prevents battery drain prior to the initial energizing of utility power, and allows the installer to complete all wiring and electrical connections without energizing the emergency circuit. The brownout protection circuitry will automatically switch the unit into the emergency mode if the utility voltage sags below 20% of nominal. Battery charging circuitry is entirely solid-state. Battery recharge time after full discharge is less than the required UL 924 standard. Line sensitive electronics cause an instantaneous transfer to battery power if utility power is lost, or a brownout condition is detected. When line voltage is present and stabilized, the transfer circuitry switches back to normal operation and begins recharging the battery. The transfer circuitry can be tested via a momentary test switch located on the housing.

## G2 SELF-TEST/SELF-DIAGNOSTICS

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

If failure occurs, visual status will occur immediately via the multi-colored LED's. LED indicator(s) will illuminate until fault has been corrected.

The G2 also monitors the transfer circuit as well as performing automatic code compliant testing. The self-test will operate the equipment in emergency mode five minutes every 28 days. Also, a 90 minute full-function test is performed every six months.

# EXITRONIX™

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