

LED illuminated AC only and emergency exit models meet New York requirements. The NY900E Series exit features an architectural, slim design to fit into any environment. Attractive and functional, the NY900E Series is completely self-contained and utilizes reliable, energy-efficient LED illumination.

## FEATURES & BENEFITS

- Meets City of New York Emergency Code requirements
- Attractive, specification grade aluminum extrusion design
- Field-selectable directional chevrons included for all configurations
- Custom legends available
- Optional Guardian Self-test/Self-diagnostics (G2) available
- Assembled in the U.S.A. with global components

## SPECIFICATIONS

|                 |                                                                                                                                                                                                                                                                                                                                                 |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Illumination:   | Long-life, high-intensity, red LEDs                                                                                                                                                                                                                                                                                                             |
| Housing:        | Specification grade aluminum extrusion                                                                                                                                                                                                                                                                                                          |
| Panels:         | High clarity, optically true acrylic panels                                                                                                                                                                                                                                                                                                     |
| Input:          | 120/277VAC dual primary, 60Hz                                                                                                                                                                                                                                                                                                                   |
| Battery:        | Maintenance-free lead calcium or NiMH (depending on configuration)                                                                                                                                                                                                                                                                              |
| Run Time:       | UL Listed 90 minute emergency run time, 24 hour recharge time                                                                                                                                                                                                                                                                                   |
| Legend:         | Fully illuminated 8" characters with 1" stroke                                                                                                                                                                                                                                                                                                  |
| Mounting:       | Ceiling recessed, wall recessed or surface ceiling, wall or end mount                                                                                                                                                                                                                                                                           |
| Finishes:       | Black, Brushed Aluminum or White                                                                                                                                                                                                                                                                                                                |
| Options:        | DR = Damp Location Rated<br>G2 = Self-test/Self-diagnostics                                                                                                                                                                                                                                                                                     |
| 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 25 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) |

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



## ORDERING INFORMATION Example: NY902E-U-WB-RM-BA-G2

| Series                            | Mounting                                                 | Power Source      | Panel Color                                                   | Finish                   | Options (Factory Installed)                  |
|-----------------------------------|----------------------------------------------------------|-------------------|---------------------------------------------------------------|--------------------------|----------------------------------------------|
| NY902E = Single-Face              | R = Recessed                                             | LB = AC Only      | RC = Red Letters/Clear Panel                                  | BA = Brushed Alum.       | DR = Damp Location Rated                     |
| NY903E <sup>1</sup> = Double-Face | U = Universal Surface<br>WR <sup>2</sup> = Wall Recessed | WB = With Battery | RM = Red Letters/Mirror Panel<br>RW = Red Letters/White Panel | BL = Black<br>WH = White | G2 <sup>3</sup> = Self-test/Self-diagnostics |

### Notes

<sup>1</sup> Double-face available with white or mirror panel only

<sup>2</sup> Single-face, clear panels only (RC)

<sup>3</sup> G2 options come standard with NiMH batteries

<sup>4</sup> Order as separate line item, surface mount only

### Accessories<sup>4</sup> (Field Installed)

ER1-KIT = 1' Pendant Mount Kit

ER2-KIT = 2' Pendant Mount Kit

## CONSTRUCTION

Housing - available in either a powder coated or brushed aluminum finish.

Surface Mounting: Engineering grade aluminum extrusion with mounting canopy  
Recessed Mounting: Galvanized steel housing supplied with an adjustable bar hanger assembly

Panels - Constructed of high-quality, optically true, clear acrylic for maximum light output. Exit letters are 8" high with a 1" stroke. Double-face panels are supplied with a mirror or white separator. Units are supplied with field-selectable directional chevrons for all configurations.

## ILLUMINATION

Illumination of the NY900E Series is accomplished utilizing high-intensity, long-life red LEDs. LEDs provide excellent illumination while maximizing energy efficiency. As a maintenance-free solution, LEDs provide up to 100,000 hours of use without failure.

## ELECTRICAL

### Input

Dual-voltage input 120/277VAC at 60Hz.

### Sealed Lead Calcium Battery (WB)

Extronix sealed lead calcium batteries are maintenance-free and perform optimally in temperatures ranging from 15°C to 40°C (59°F to 104°F).

### Sealed Nickel-Metal Hydride - NiMH (With G2 option only)

Extronix NiMH batteries are maintenance-free and perform optimally in temperatures ranging from 0°C to 40°C (32°F to 104°F).

### Emergency

The NY900E 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.

### 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 90 minutes until the line voltage is restored.

### Low Voltage Disconnect

Low Voltage Disconnect (LVD) measures the battery terminal voltage. The LVD continuously monitors the battery terminal voltage and if it should fall below a preset voltage threshold, the LVD will disconnect the load. When the battery is recharging and voltage is raised above another preset voltage threshold, the load is automatically reconnected.

### Solid-State Transfer (G2 option only)

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

Installs in minutes with easy-to-read instructions and detailed diagrams. No special hardware or tools necessary. Internally housed components and battery.

### Assembled in the U.S.A. with Global Components

Assembled in the U.S.A. with global components and is in full compliance with the American Recovery and Reinvestment Act of 2009 (ARRA) requirements.

## OPTIONS

### Damp Location Rated (Option: DR)

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

### 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 compliance 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 six months.

### CONFORMANCE TO CODES & STANDARDS

The NY900E Series meets or exceeds the following: UL 924, NEC requirements and NFPA101.

## DIMENSIONS

