# NY900E Series

*New York City Approved, Specification Grade LED Edge-lit Exit SIgn*

Model: _____ Date: _____

Accessories: _____

Job Name: _____ Type: _____

## DESCRIPTION

LED illuminated AC only and emergency exit models meet New York requirements. Architecturally pleasing fully universal signs for wall, ceiling, end mount and recessed applications.


## FEATURES

- Meets City of New York Emergency Code requirements
- Attractive, specification-grade aluminum extrusion design
- High clarity, optically true acrylic panels
- Ceiling recessed, wall recessed or surface ceiling, wall or end mount
- Custom legends available
- 120/277VAC dual primary 60Hz input
- Low voltage disconnect eliminates deep discharge
- Brown-out, short circuit and voltage surge protection
- Maintenance-free lead acid, NiCad or NiMH depending on configuration
- Optional Guardian Self-Test/Self-Diagnostics (G2) available
- Constant, uniform illumination by long-life, high intensity, red LEDs
- Fully-illuminated 8" characters with 1" stroke
- Field selectable directional chevrons included for all configurations
- Standard finishes: Black, White or Brushed Aluminum
- Assembled in U.S.A.

## WARRANTY

Any component that fails due to manufacturers defect is guaranteed for 25 years with a separate 5 year pro-rated warranty on the battery. The warranty does not cover physical damage, abuse or acts of God. See the full Exitronix warranty document for detailed information.

25/5 WARRANTY

## 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 | WH = White | A1[3] = Fire Alarm Interface w/Flasher |
| NY903E[1] = Double Face | WR[2] = Wall Recessed | WB = With Battery | RW = Red Letters/White Panel | BL = Black | DR = Damp Location Rated |
| | U = Universal Surface | NC = NiCad | RM = Red Letters/Mirror Panel | BA = Brushed Alum. | G2[3] = Self-Test/Self-Diagnostics |

| Notes | |
|---|---|
| [1] Double face available with white or mirror panel only | |
| [2] Single face, clear panels only (RC) | **Accessories[4]** (Field Installed) |
| [3] A1 and G2 options come standard with NiMH batteries, not available with NiCad | ER1-KIT = 1' Pendant Mount Kit |
| [4] Order as separate line item, surface mount only | 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 or 277VAC at 60Hz.

**Sealed Lead Acid Battery - SLA (WB)**
Exitronix sealed lead acid batteries are maintenance-free with a life expectancy of 5 years. Sealed lead acid batteries provide a relatively large power-to-weight ratio making them ideal for emergency applications. Lead Acid batteries perform optimally in temperatures ranging from 59°F - 104°F (15°C - 40°C).

**Sealed Nickel Cadmium Battery - NiCad (NC)**
Exitronix 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 32°F - 104°F (0°C - 40°C).

**Sealed Nickel-metal Hydride - NiMH (With G2 or A1 option only)**
Exitronix NiMH batteries are maintenance-free with a life expectancy of 15 years. NiMH batteries perform optimally in temperatures ranging from 32°F to 104°F (0°C to 40°C).

**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 UL924 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 or A1 options 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. (Standard)**
Assembled in the U.S.A. and is in full compliance with the American Recovery and Reinvestment Act of 2009 (ARRA) requirements and Buy American provisions.

## 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.

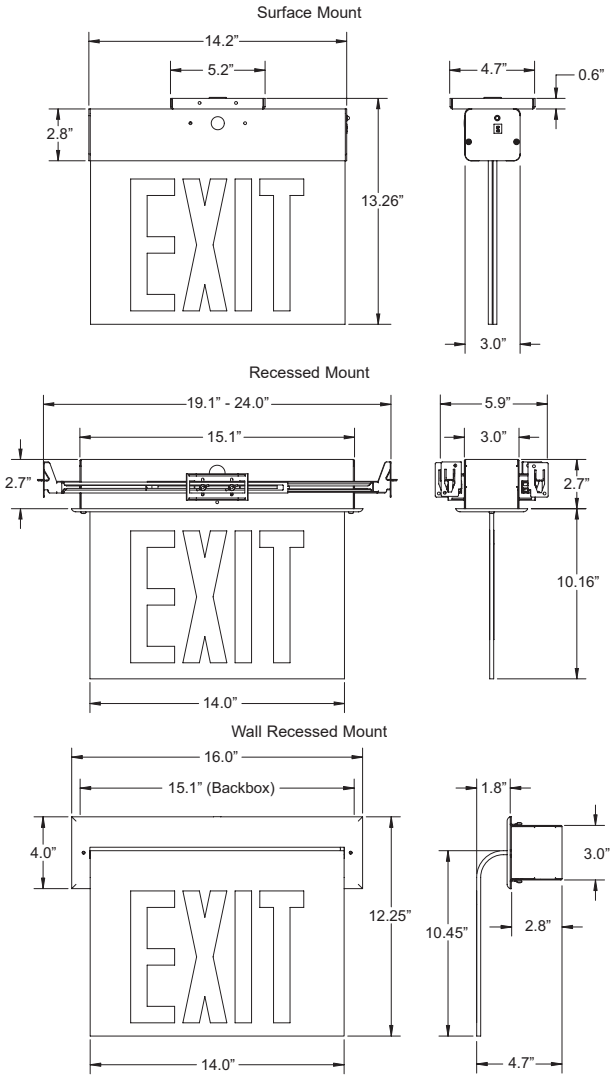
**Guardian Self-Test/Self-Diagnostics (Option: G2)**
The Guardian circuit continuously monitors the operating condition of the AC power, battery supply voltage, emergency lamp continuity and charging circuit.

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 6 months.

**Fire Alarm Interface (Option: A1)**
Our fire alarm interface option ties into the building's fire alarm system allowing for exits and emergency units to be triggered prior to loss of power.

## DIMENSIONS




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



BARRON lighting group
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