400U-8 Series

Universal Die-Cast Aluminum LED Exit

Model: _____ Date: _____

Accessories: _____

Job Name: _____ Type: _____

The 400U-8 universal die-cast aluminum exits are designed to combine both beauty and performance while maintaining optimal energy efficiency with a bright, uniform illumination.

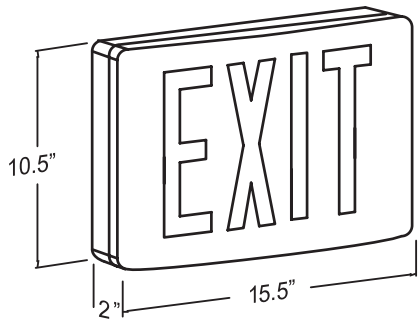


FEATURES & BENEFITS

- Meets City of New York Emergency Code requirements
- Universal style - includes two faceplates, a backplate and mounting canopy as standard
- Field selectable directional chevron knockouts
- UL Listed 90 minute emergency run time, 24 hour recharge time
- Suitable for Damp Locations

SPECIFICATIONS

Illumination:	Long-life, high-intensity red or green LEDs
Housing:	Die-cast aluminum
Input:	120/277VAC Dual Primary, 60Hz
Battery:	Maintenance-free NiCad battery
Operating Temp:	0°C to 40°C (32°F to 104°F)
Run Time:	UL Listed 90 minute emergency run time, 24 hour recharge time
Mounting:	Ceiling, end or wall mount, canopy included
Finish:	Brushed aluminum, black or white
Options:	G2 - Self-test/Self-diagnostics
Certfications:	UL Listed, meets or exceeds NEC requirements and NFPA 101, suitable for Damp Locations
Warranty:	Any component that fails due to a manufacturing defect is guaranteed for five 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)



ORDERING INFORMATION Example: 400U-8-WB-BA

Series	Power Source	Finish	Options (Factory Installed)
400U-8 = Red	LB = AC Only	BL = Black with Aluminum Face	G2[1] = Self-Test/Self-Diagnostics
	WB = With Battery	BB = Black with Black Face	
		WH = White with Aluminum Face	
Notes		WW = White with White Face	**Accessories[2]** (Field Installed)
[1] Not available on LB units		BA = Brushed Aluminum with Aluminum Face	WG-S = Wire Guard (Back Mount)
[2] Order as separate line item, surface mount only			XG-6 = Poly Guard (Back Mount)

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

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CONSTRUCTION

The Exitronix 400U-8 Series is constructed of a rugged, die-cast aluminum body with soft corners designed for traditional mounting as well as conduit entry and pendant mounting. Clear finish on brushed face prevents fingerprints or other surface impurities. Universal chevron knockouts are concealed and easily removed. All units are supplied with mounting canopy for back, top or end mounting.

Stencil letters are 8” high with 1” stroke, with minimum of 100' viewing distance rating as required by UL 924 standard.

ILLUMINATION

Illumination is accomplished utilizing high-intensity, long-life LEDs exceeding UL 924 requirements for brightness and uniformity. Starting at only 2W, 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 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°C to 40ºC (32°F to 104°F). NiCad technology provides long-lasting, safe and reliable performance by utilizing the jelly roll design and allows a NiCad cell to deliver a much higher maximum current than an equivalent sized 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.

Emergency (WB Only)

The 400U-8 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. This fixture utilizes a constant trickle type battery charger to ensure the battery remains fully charged.

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.

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.

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.

Test Button

Our easily located test button allows for manual verification of proper operation 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 eliminate the risk of damage during installation. Mounting canopy included.

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 six months.

CONFORMANCE TO CODES & STANDARDS

The 400U Series is UL 924 Listed and meets or exceeds NEC requirements and NFPA 101. Suitable for Damp Locations. Approved for use in the City of New York.