400E Series

Die-Cast Aluminum LED Exit Sign

Exitronix die-cast aluminum exit signs are designed to combine both elegance and performance while maintaining optimal energy-efficiency with bright, uniform illumination.

Model: _____ Date: _____

Accessories: _____

Job Name: _____ Type: _____

Custom legends available

FEATURES

- Specification grade exit sign with an enclosure constructed of precision die-cast aluminum
- Custom legends available
- Low voltage disconnect eliminates deep discharge
- Brownout protection, overcharge protection, short circuit and voltage surge protection
- Maintenance-free NiCad (standard) or NiMH (G2) batteries
- Ceiling, wall or end mount
- Constant, uniform illumination by long-life, high-intensity red or green LEDs
- Fully-illuminated 6” characters with 3/4” stroke
- Field-selectable directional chevron knockouts
- Optional Guardian Self-test/Self-diagnostics (G2) available
- 120/277VAC Dual primary, 50/60Hz input
- Standard finishes: Black, Brushed Aluminum or White
- Consult factory for alternative Specialty Signage
- Assembled in U.S.A. with global components
- UL 924 Listed 90 minute emergency run time, 24 hour recharge time

WARRANTY

Any component that fails due to manufacturer's 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.

25/5 WARRANTY

ORDERING INFORMATION Example: 402E-WB-BA-G2

Series	**Power Source**	**Finish**	**Options** (Factory Installed)
402E = Red Single-Face	LB = AC Only	BA = Brushed Alum. w/ Alum. Face	FM[2] = Flush-Mount Kit
403E = Red Double-Face	WB[3] = NiCad Battery (std)	BB = Black w/ Black Face	G2[1,3] = Self-test/Self-diagnostics
G402E = Green Single-Face	2CI1 = 2 Circuit Input 120/120V	BL = Black w/ Alum. Face	G2-220V[1,3,4] = Self-test/Self-diagnostics - 220V
G403E = Green Double-Face	2CI7 = 2 Circuit Input 277/277V	WW = White w/ White Face	G2-230V[1,3,4] = Self-test/Self-diagnostics - 230V
	2CI17 = 2 Circuit Input 120/277V		G2-240V[1,3,4] = Self-test/Self-diagnostics - 240V

Note: See Specialty Signage specification for custom/alternate legends

Notes
[1] Available with battery units only
[2] FM only available in single face
[3] G2 option comes standard with NiMH batteries, not available with 2CI power source
[4] 220/230/240V only available with red legend
[5] 400E-VL-KIT includes two vandal lenses and tamper-resistant hardware
[6] Order as separate line item

Accessories[6] (Field Installed)
ER1-KIT = 1’ Pendant Mount Kit
ER2-KIT = 2’ Pendant Mount Kit
WG-1 = Wire Guard (Back Mount)
WG-2 = Wire Guard (End Mount)
WG-3 = Wire Guard (Ceiling Mount)
XG-1 = Poly Guard (Back Mount)
XG-3 = Poly Guard (Ceiling Mount)
400E-VL-KIT[5] = Vandal Kit

CONSTRUCTION
The 400E Series exit is constructed of a specification grade 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. Field-selectable chevron knockouts are concealed and easily removed. All units are supplied with mounting canopy for ceiling, wall or end mounting.

Stencil letters are 6” high with 3/4” stroke.

ILLUMINATION
Illumination of the 400E Series is accomplished utilizing high-intensity, long-life LEDs. LEDs are a maintenance-free solution, providing up to 100,000 hours of use without failure.

ELECTRICAL
Input
Dual-voltage input 120 or 277VAC @ 50/60Hz.

Nickel Cadmium Battery - NiCad (Standard)
Exitronix nickel cadmium batteries are maintenance-free and continue to perform in a vast temperature range from 0°C to 40°C (32°F to 104°F).

Nickel-Metal Hydride - NiMH (With G2 Option Only)
Exitronix NiMH batteries are maintenance-free and perform optimally in temperatures ranging from 0°C to 40°C (32°F to 104°F).

Two-Circuit Operation (2CI1, 2CI7, 2CI17)
Two-Circuit input allows for a primary and auxiliary power source to be connected to the emergency unit that does not contain a battery. Applications include those with inverters or alternate backup power sources.

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 a minimum of 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
The circuit features solid-state switching for emergency mode, 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 unit's load and disconnects from the battery should 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 eliminate the use of a canopy when wall mounting single faced exits.

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
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.

Flush-Mount Kit (Option: FM)
The 400E Series is available for flush-mount installations where low level or reduced clearance is required. Kit includes flush-mount face and all hardware for installation.

Specialty Signage
For custom/alternate legends, see our Specialty Signage specifications.

CONFORMANCE TO CODES & STANDARDS
The 400E Series is UL 924 Listed and meets or exceeds the following: NEC requirements and NFPA 101.

DIMENSIONS