



Precision ELX Series

SPECIFICATION GRADE EDGE-LIT LED EXIT



PROJECT: _____
 FIXTURE TYPE: _____
 LOCATION: _____
 CONTACT/PHONE: _____

PRODUCT DESCRIPTION

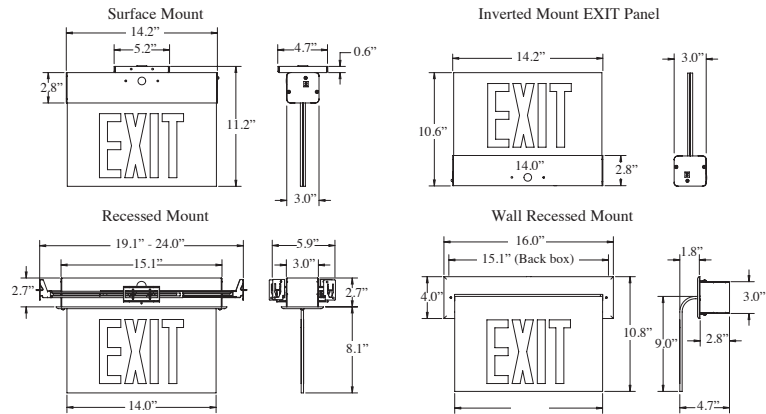
The Precision Series LED edge-lit signs combine a distinctive look with energy efficient LED technology. Ideal for new construction, renovation and remodeling projects. Providing a high quality and distinguished design, the Precision Series LED edge-lit sign is the fixture of choice whenever elegance and exceptional performance are demanded from the same fixture. These stylish, low-profile panel signs are illuminated with red or green super bright LEDs.

FEATURES

- Attractive specification-grade aluminum design
- High-clarity acrylic panels
- Ceiling recessed, wall recessed, surface ceiling, end or wall mount
- Custom legends available
- 120/277VAC Dual primary, 50/60Hz input
- Low voltage disconnect eliminates deep discharge
- Brownout, short circuit and voltage surge protection
- Optional Self-test/Self-diagnostics available
- Constant, uniform illumination by long-life, high-intensity green or red LEDs
- Fully-illuminated 6" characters with 3/4" stroke
- Field-selectable directional chevrons included for all configurations
- Standard finishes: Black, Brushed Aluminum or White
- Consult factory for alternative Specialty Signage
- Operating temperature: 10°C to 40°C (50°F to 104°F)
- Assembled in USA with global components
- UL 924 Listed 90 minute emergency run time, 24 hour recharge time



DIMENSIONS



ACCESSORIES³

ACCESSORY	DESCRIPTION
PKELX1	1ft Pendant Mount Kit
PKELX2	2ft Pendant Mount Kit

ORDERING INFORMATION

model	faces	operation	letter/panel	mounting	housing color	options
ELX	1 = Single	A = AC Only	RC = Red on Clear	R = Ceiling Recessed	WH = White	SD ¹ = Self-Diagnostics
	2 = Double	B = Battery Backup	GC = Green on Clear	U = Surface Ceiling, End or Wall Mount	BL = Black	DLC1 ² = 2 Circuit Input 120/120
			RM = Red on Mirror		BA = Brushed Aluminum	DLC2 ² = 2 Circuit Input 277/277V
			GM = Green on Mirror			FL = Flasher
			RW = Red on White			BZ = Buzzer
			GW = Green on White			FAI = Fire Alarm Interface

Notes

¹ Not available on AC units

² AC only, use with inverter or generator applications only

³ Order as separate line item. Field installation

SL = Special Lettering

DR = Damp Rated

WR = Wall recessed

IV = Inverted Mount EXIT Panel

Ordering Example: ELX-1-B-RC-R-BA-SD



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CONSTRUCTION

Surface Mounting: Engineering grade aluminum extrusion with mounting canopy in either a powder coated or brushed aluminum finish

Recessed Mounting: Galvanized steel enclosure supplied with a trim plate and adjustable bar hanger

Panels constructed of high quality clear acrylic for maximum light output. Exit letters are 6" high with a 3/4" 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 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.

Sealed Lead Calcium Battery

Sealed lead calcium batteries are maintenance-free.

Emergency

The exit will operate for a minimum of 90 minutes during a loss of power with a 24 hour maximum recharge time for the battery.

Two-Circuit Operation (Option: DLC1 or DLC2)

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.

Test Button

The test button is easy to locate and provides manual verification of the transfer circuit and emergency lamps.

Solid-State Transfer (SD 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.

INSTALLATION

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

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.

Self-Test/Self-Diagnostics (Option: SD)

Operation

The purpose of the SD circuit is to provide self-testing and self-diagnostic capabilities to the EXIT sign. The EXIT sign will automatically switch to battery mode every 28 days for a period of 5 minutes and every 6 months for a period of 90 minutes. The EXIT sign will also perform various self-diagnostic tests of the unit. Visual signaling will alert maintenance personnel to a fault of the EXIT sign electronics, battery and/or battery charger. The circuitry continuously monitors the operating condition of the EXIT sign and battery charging circuit/battery supply voltage. Refer to Self-Diagnostic section of this page for fault reporting details.

Indicator LEDs

The EXIT sign is provided with a state-of-the art pulse charging system for the battery. The yellow LED (STEADY STATE) indicates that the charger is turned off. The red LED (CHARGER ON) indicates that the battery is under full charge. NOTE – the “STEADY STATE” and “CHARGER ON” LEDs will toggle faster with a discharged battery. A fully charged battery will cause the “STEADY STATE” LED to be illuminated longer than the “CHARGER ON” LED. The green “AC ON” LED indicates that normal AC power is being supplied to the EXIT sign. The red “UNIT ALERT” indicates whenever the self-diagnostic system has detected a fault condition.

Test Button Features

- Pressing the “TEST BUTTON” once will switch the unit into battery mode for a period of 2 seconds.
- MANUAL TEST - Pressing the “TEST BUTTON” twice (in rapid succession), will switch the unit to battery mode for a period of 15 minutes. Pressing the “TEST BUTTON” once while the unit is MANUAL TEST mode will cancel the manual test and return the unit to normal AC power.
- RESET – Pressing the “TEST BUTTON” 3 times will reset the red “UNIT ALERT” LED. If multiple faults are present, it may be necessary to repeat this procedure for each remaining fault indicated by the “UNIT ALERT” LED.

Self-Diagnostic Features

Refer to the chart below when the “UNIT ALERT” LED is blinking.

Number of Blinks	Unit Fault	Corrective Action
1	Battery is Disconnected	Check battery connections
2	Battery	Replace battery
3	Not Applicable	Not Applicable
4	Charger	Check battery then consult factory
5	Transfer (AC to DC)	Check battery then consult factory

Inverted Mount EXIT Panel (Option: IV)

The IV option is designed were the panel is inverted to allow the enclosure to be installed on a ledge application.

CONFORMANCE TO CODES & STANDARDS

The ELX Series is UL 924 Listed and meets or exceeds the following: NEC requirements and NFPA 101.