

## DESCRIPTION

The APXEL Series Surface Mounted Edge-Lit Exit, with the Tri-Mount™ system, provides an attractive yet easy to install universal edge-lit exit sign. The crystal clear rounded-edge lens panel provides excellent light distribution, exit visibility and quick installation. Long life, energy efficient LED lamps reduce energy costs and eliminate routine lamp maintenance.

<b>Catalog #</b>		<b>Type</b>
<b>Project</b>		
<b>Comments</b>		<b>Date</b>
<b>Prepared by</b>		

## SPECIFICATION FEATURES

### Electrical

- Dual Voltage Input 120/277 VAC, 60Hz
- Line-latching
- Solid-state Voltage Limited Charger
- Solid-state Switching
- Brownout Circuit
- Test Switch / Power Indicator Light

### Battery (APX7)

- Sealed Nickel Cadmium.
- Maintenance-Free, Long-Life
- Full Recharge Time, 24 hrs. (Max.)

### Housing Construction

- All components are injection molded, color stable, high impact UL 94-5VA rated plastic material
- Designer white textured finish available
- Components are of snap-fit construction to facilitate easy installation

- All components including battery and electronics are located inside the exit housing.
- Snap-fit canopy with captive mounting screw included with all exits
- Exit can be universally surface mounted, ceiling, wall or end with Tri-Mount™ system
- Universal J-box mounting adapter plate

### Lens

- Injection molded, high impact, clear acrylic panels
- Bright red or bright deep green letter colors
- Universal, field installable Chevrons in bright red or deep green colors
- Mirrored background panels included with double face exits
- Edge reflector for optimized efficiency and visibility

### Code Compliance

- UL 924 Listed
- Life Safety NFPA 101
- NEC/OSHA
- Most State and Local Codes

### Warranty

- Exit: Full 5-year warranty

### Lamp Data

- AC LED: Long life LED lamps provide uniform diffused illumination
- DC: LED DC lamps



## APXEL SERIES

THERMOPLASTIC EXIT  
AC ONLY  
SELF POWERED  
EMERGENCY  
LED LAMPS  
EXIT LIGHTING

TOTALLY PREDICTABLE  
**RELIABILITY**

### ENERGY DATA

Maximum power consumption under all charge conditions:

#### Charge Mode

(Fully Discharged Battery):  
Sealed Nickel Cadmium Battery

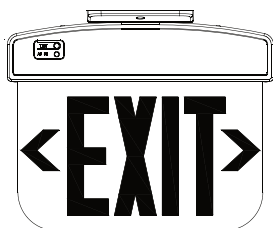
#### LED Exits - Red

Input Power:  
120V = 4.1W  
277V = 4.1W  
Input Current (Max.):  
120V = 0.03A  
277V = 0.02A

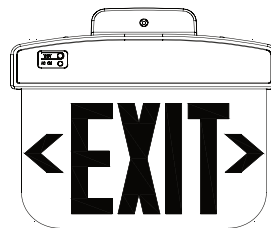
#### LED Exits - Green

Input Power:  
120V = 4.1W  
277V = 4.1W  
Input Current (Max.):  
120V = 0.31A  
277V = 0.02A

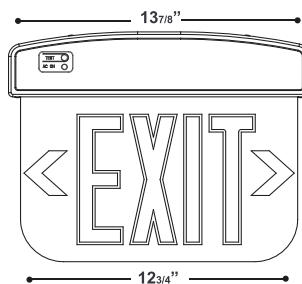
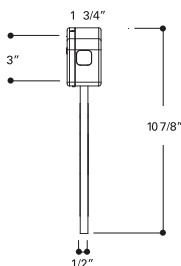
Ceiling Mount



Wall Mount



End Mount



SPECIFICATION FEATURES

SAMPLE NUMBER: APXEL71R

Family	LED	Face Options	Battery	Housing Trim Finish	Letter/Background Color	Chevron Direction
APXEL=Edge-Lit Exit Series	6=LED Lamps, AC Only 7=LED Lamps, Self powered	1=Single Face 2=Double Face	[Blank]=Nickel Cadmium	[Blank]=White Only	R=Red G=Green	[Blank]=Universal Stick-on Chevrons

TECHNICAL DATA

**Lamps**

The APXEL Series Exits use energy efficient, long-life LEDs to provide uniform diffuse illumination of the exit face. These red and green LEDs require no maintenance. The low operating costs and zero maintenance requirement makes LED lamps the wisest choice for exit signs today. Emergency illumination is provided by LED lamps.

**Housing Construction**

Durable, injection-molded plastic materials are used throughout the APXEL Series exits. All structural components are designed with reinforcing ribs to add additional rigidity and to maximize structural integrity. These materials are impact and scratch-resistant and they have been UV stabilized to resist discoloration due to age and ultraviolet radiation. All components are designed to be of snap-fit construction to facilitate easy installation. APXEL Series exits can be wall-, ceiling- or end-mounted. A rugged, snap-fit, low profile canopy with captive screw is included with every exit.

**Lens**

Lens for the APXEL series edge-lit exits are injection-molded from impact-resistant clear acrylic. A choice of red or green letter colors and clear, or mirror backgrounds enable precise control of the fixtures aesthetic appearance. Universal, field-installable chevrons are provided in bright red or deep green colors allowing for universal configuration of the exit sign based on the directional needs of the application. The edge reflector further enhances visibility.

**Line-Latched (Self-Powered Only)**

Sure-Lites line-latched electronic circuitry makes installation easy and economical. A labor efficient AC activated load switch prevents the lamps from turning on during installation to a non-energized AC circuit. Line-latching eliminates the need for a contractor's return to a job site to connect the batteries when the building's main power is turned on.

**Solid-State Charger**

Supplied with a 120/277 VAC, voltage regulated solid-state charger, the battery is recharged immediately upon restoration of AC current after a power failure. The charge circuit reacts to the condition of the battery in order to maintain peak battery capacity and maximize battery life. Solid-state construction recharges the battery following a power failure in accordance with UL 924.

**Brownout Circuit**

The brownout circuit on Sure-Lites exits monitors the flow of AC current to the exit and activates the emergency lighting system when a predetermined reduction of AC power occurs. This dip in voltage will cause most ballasted fixtures to extinguish causing loss of normal lighting even though a total power failure has not occurred.

**Solid-State Transfer**

The APXEL Series Exit incorporates solid-state switching which eliminates corroded and pitted contacts or mechanical failures associated with relays. The switching circuit is designed to detect a loss of AC voltage and automatically energizes the lamps using DC power. Upon restoration of AC power, the DC power will be disconnected and the charger will automatically recharge the battery.

**Test Switch/Power Indicator Light**

A test switch located on the front of the exit permits the activation of the emergency circuit for a complete operational systems check. The Power Indicator Light provides visual assurance that the AC power is on.

**Sealed Nickel Cadmium Battery**

Sure-Lites sealed nickel cadmium batteries are maintenance-free with a life expectancy of 10 years. The sealed rechargeable nickel cadmium battery offers high discharge rates and stable performance over a wide range of temperatures. The specially designed resealable vent automatically controls cell pressure, assuring safety and reliability. This battery is best suited for harsh ambient temperatures because the electrolyte is not active in the electrochemical process.

**Warranty**

All Sure-Lites' products are backed by a full five-year warranty against defects in material and workmanship.