



Job Name: \_\_\_\_\_

Type: \_\_\_\_\_

Voltage: \_\_\_\_\_

### CODES AND STANDARDS

UL924 listed  
Meets NFPA Life Safety Code 101, NEC,  
OSHA, Local and State Codes

### VOLTAGE INPUT

Universal 120/277VAC field selectable input

### FINISH

White finish standard, black finish optional

### CONSTRUCTION

Material: EX Series exits are constructed of heavy duty steel finished in white baked-on powder paint providing scratch and corrosion resistance. Optional black (-B) finish is available, see Options for ordering details.

### LAMPS

Light Source: Exit face illumination is provided by a special high intensity indirect red or green LED panel. Letter brightness and illumination uniformity exceed UL requirements.  
LED Lamp Life: 25 years (estimated average)

### BATTERY

EXEL and EXCLN Series: Nickel Cadmium maintenance free battery designed to provide many years of dependable service.  
EXCLL Models: Lead Calcium maintenance free battery

### INSTALLATION

Wall Mounting: Backplates on single face models are supplied with knockouts for attachment to wall surfaces and standard 3-1/2" and 4" electrical boxes.  
Ceiling/End Mounting: Mounting canopies are provided for attachment to standard 3-1/2" and 4" electrical boxes in ceiling or end mount applications.

### OPERATION

Upon failure of the normal utility power, a solid-state transfer switch automatically activates the LED lamps providing uninterrupted operation. Emergency illumination will be supplied for a minimum of 90 minutes. During emergency operation, the exit battery is protected from severe discharge damage by an automatic low voltage disconnect circuit that discontinues unit operation when battery voltage reaches 87.5% of nominal. When normal utility power is restored, the battery is automatically disconnected from the load and a recharging cycle begins that will return the battery to full capacity within 24 hours.

### CATALOG NUMBER (Example: EXCLL-2-R-DEH36-DL)

FAMILY	STENCIL FACES	LETTER COLOR	FINISH	LAMP <sup>2</sup>	OPTIONS
<b>EXL</b> - AC Only Exit <b>EXEL</b> - Nicad Battery Exit <b>EXCLL</b> - Lead Calcium Battery Combo (20W capacity) <sup>2</sup> <b>EXCLN</b> - Nicad Battery Combo (20W capacity) <sup>2</sup>	<b>1</b> - Single Face (No canopy) <b>2</b> - Single Face w/canopy <b>3</b> - Double Face w/canopy <b>5</b> - Universal (Single/Double Face w/canopy)	<b>R</b> - Red <b>G</b> - Green	<b>BLANK</b> - White Finish <b>B</b> - Black Finish <b>BS</b> - Black Finish w/Silver Stencil	<b>BLANK</b> - No Lamp Heads <b>DEH18</b> - 5.4W PAR18 Side Mounted Lamp Heads <b>DEH36</b> - 5.4W PAR36 Side Mounted Lamp Heads	<b>4HR</b> - 4 Hour Emergency Operation <sup>1</sup> <b>220</b> - 220VAC, 50Hz Input <b>TCI</b> - Two-Circuit Input <b>SX</b> - Self-Diagnostic Circuit <sup>1</sup> <b>IA</b> - Audible Intermittent Alarm <sup>1</sup> (emergency units only) <b>IV</b> - Visual Intermittent Alarm <sup>1</sup> (emergency units only) <b>FA-AC</b> - Fire Alarm Panel Interface (AC units only) <b>FA-BP</b> - Fire Alarm Panel Interface <sup>1</sup> (emergency units only) <b>DL</b> - Damp Location Listing <b>FRONT</b> - Front Mounted Lamp Heads <b>SW</b> - Special Wording

#### Footnotes:

<sup>1</sup> Requires a top mounted utility pack. See dimensions illustration for details

<sup>2</sup> Must specify lamp heads for combo unit.

#### Accessories

<b>SK-W</b>	18" Stem Mounting Kit (white)
<b>SK-B</b>	18" Stem Mounting Kit (black)
<b>PG-8</b>	Wire Guard - Wall Mount Exits (without lighting heads)
<b>PG-11</b>	Wire Guard - Ceiling or End Mount Exits (without lighting heads)
<b>PG-10</b>	Wire Guard - Wall Mount Exits (with lighting heads)
<b>VERS</b>	Vandal/Environmental Shield
<b>VERS-4X</b>	Vandal/Environmental Shield with Gasket

# EX SERIES Steel LED Exit Signs

## ELECTRONICS

Charger Type: EXL and EXCLN models utilize a fully automatic, temperature compensating, constant current charger.  
 EXCLL models utilize a fully automatic, temperature compensating, variable rate charger.  
 Utility Input: 120/277VAC, 60 Hz.  
 Temperature Range: 68°F to 86°F (20°C to 30°C) Models supplied with damp location (-DL) option operate from 50°F to 104°F (10°C to 40°C)  
 Recharge Duty Cycle: 24 hours  
 Load Transfer: Solid state transfer circuit  
 Controls: Momentary test switch and LED AC-On indicator light  
 Safety Circuitry:  
 AC Lockout: Prevents battery discharge prior to initial unit power-up saving installation time.

Low Voltage Battery Disconnect: Protects the battery from being severely damaged by deep discharge during prolonged power failures.

## STENCIL FACEPLATES

Universal directional chevrons provided by means of knockouts and are sized to meet UL visibility requirements.  
 Letter Size: 6" letters with 3/4" stroke

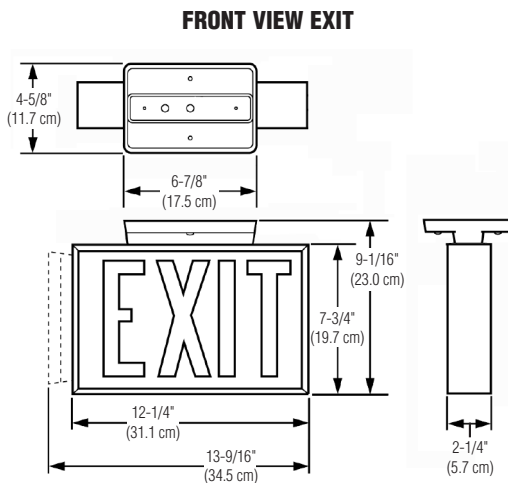
## WARRANTY

Unit: (including LED lamps) 5-years full coverage against defects in materials and workmanship from date of shipment  
 Battery: 5 years full warranty plus an additional 5 years of pro-rata coverage

## DIMENSIONS

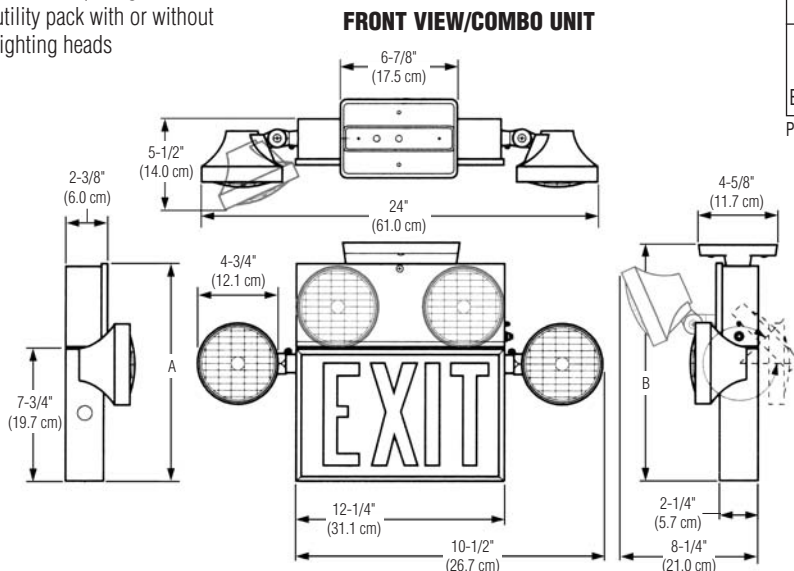
### Models

EXL and EXEL models without options requiring an external utility pack.



### Models

Models requiring external utility pack with or without lighting heads



## POWER CONSUMPTION

	Red Letters		Green Letters	
	120v	277v	120v	277v
AC Models	4.8W	4.6W	4.8W	4.6W
Emergency Models	4.8W	4.6W	4.8W	4.6W

Power Factor (all models): 0.85 lagging

Model	A	B
EXEL models without lighting heads or dered with -4HR, -SX, -IA, -IV, or -FA-BP options	11-1/2" 29.2 cm	12-13/16" 32.5 cm
EXCLL and EXCLN models and all models or dered with front or side mounted lighting heads	12-1/2" 31.8 cm	13-13/18" 35.1 cm