

EL-CTC900 Series

Cylindrical Surface Mount Wheelchair Accessible Edge-Lit Exit

The EL-CTC900E Series offers a 'quick-slide' canopy for in-field adjustment from wall to ceiling mount. The EL-CTC900E Series features high intensity red or green LED's providing bright and uniform illumination in an edge-lit design. Includes State of Connecticut required, universal handicap symbol.

Model: _____ Date: _____
Accessories: _____
Job Name: _____ Type: _____

FEATURES

- Meets State of Connecticut Emergency Building Code requirements (Para. 1011.1.2)
- Cylindrical design with "quick slide" adjustment from ceiling to wall mount for easy installation
- Attractive aluminum extrusion design
- Panel includes "EXIT" wording with the ADA compliant, universal wheelchair accessible symbol
- Charge rate/power "ON" LED indicator light with test button
- Maintenance-free NiCad battery
- CSA listed 90 minute emergency run time, 24 hour recharge time
- Exit face is illuminated by long-life, high intensity, red or green LEDs
- Field applicable chevrons provided
- Ceiling, back or end mount
- 120/277V dual primary, 60Hz input
- Standard finishes: White
- Fixture series may be built to comply with the American Recovery and Reinvestment Act of 2009 (Assembled in U.S.A.) requirements and Buy American provisions (USA Option) - call factory for details



WARRANTY

Any component that fails due to manufacturers defect is guaranteed for 5 years with a separate 5 year pro-rated warranty on the battery. The warranty does not cover physical damage, abuse or acts of God. See the full ESW warranty document for detailed information.



ORDERING INFORMATION Example: EL-CTC902E

Series	Mounting	Power Source	Panel Color	Enclosure Color
EL-CTC902E = Single Face	S = Surface Ceiling or Wall	LB = AC Only	RC = Red Letters/Clear Panel	WH = White
EL-CTC903E = Double Face	E = End Surface	WB = With Battery	RW = Red Letters/White Panel	
			RM = Red Letters/Mirror Panel	
			GC = Green Letters/Clear Panel	
			GW = Green Letters/White Panel	
			GM = Green Letters/Mirror Panel	

CONSTRUCTION

Housing

Cylindrical style available in either a powder coated white finish.

Surface Mounting: Aluminum extrusion with mounting canopy

Panels

Constructed of high quality, optically true, clear acrylic with beveled lettering for maximum light output. Double Face panels are supplied with a mirror or white insert. Units are supplied with press-on directional arrows for placement in all applications.

Stencil letters and ADA compliant wheelchair symbol are 6" high with 3/4" stroke, with minimum of 100 ft viewing distance rating as required by UL924 standard.

ILLUMINATION

Illumination of the EL-CTC900E series is accomplished utilizing high-intensity, long-life red or green LEDs. LEDs provide excellent illumination while maximizing energy efficiency. As a maintenance-free solution, LEDs provide up to 100,000 hours of use without failure.

ELECTRICAL

Input

Dual-voltage input 120 or 277VAC @ 60Hz.

Sealed Nickel Cadmium Battery – NiCad

ESW sealed 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 0-40 degrees C. NiCad technology provides long lasting, safe and reliable performance by utilizing the jelly-roll design and allows a Ni-Cad cell to deliver a much higher maximum current than an equivalent size 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

The EL-CTC900E 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.

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.

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.

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.

Overload and Short-Circuit Protection

The solid-state overload monitoring system in the DC circuit disconnects the lamp load from the battery should excessive wattage demands be made and automatically resets when the overload or short-circuit is removed. This overload current protective characteristic eliminates the need for fuses or circuit breakers for the DC load.

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.

CONFORMANCE TO CODES & STANDARDS

The EL-CTC900E Series is ETL listed and meets or exceeds the following: UL 924, NEC requirements and NFPA 101. Specifically designed to meet the requirements of the State of Connecticut, Building Code Paragraph 1011.1.2, ADA Compliant.

DIMENSIONS

