

The CT900E Series offers a reduced size backbox and trim plate. The CT900E Series features high-intensity red or green LED's providing bright and uniform illumination in an Edge-lit design. Includes State of Connecticut required modified accessibility symbol.

Model: \_\_\_\_\_ Date: \_\_\_\_\_  
Accessories: \_\_\_\_\_  
Job Name: \_\_\_\_\_ Type: \_\_\_\_\_

**FEATURES**

- Meets State of Connecticut Emergency Building Code requirements (Paragraph 1011.1.2)
- Panel includes "EXIT" wording with the ADA compliant modified accessibility symbol
- Recessed and surface mount
- California Energy Commission (CEC) compliant
- Fixture series may be built to comply with the American Recovery and Reinvestment Act of 2009 (ARRA) requirements and Buy American provisions - call factory for details



**SPECIFICATIONS**

- Illumination:** Long-life, high-intensity, red or green LEDs
- Housing:** Rugged 20 gauge steel back box, trim plate and enclosure
- Input:** 120/277VAC Dual primary, 60Hz
- Battery:** Maintenance-free NiCad battery
- Operating Temp:** 10°C to 40°C (50°F to 104°F)
- Run Time:** CSA Listed 90 minute emergency run time, 24 hour recharge time
- Electrical:** Low voltage disconnect eliminates deep discharge, brownout, overload and short circuit protection
- Legend:** Fully-illuminated 6" characters with 3/4" stroke, field-selectable directional chevrons
- Mounting:** Ceiling recessed, wall recessed, surface ceiling, wall or end mount
- Finishes:** Brushed Aluminum, Polished Aluminum or White
- Options:** IV - Inverted Panel  
TF - 120 Minute Run Time (NiCad)  
USA - Meets Buy American Requirements
- Certifications:** CSA Listed, meets or exceeds UL 924M NEC requirements and NFPA 101, Meets State of Connecticut Emergency Building Code requirements (Paragraph 1011.1.2)
- Warranty:** Any component that fails due to a manufacturing defect is guaranteed for five 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 and product registration instructions.



**ORDERING INFORMATION Example: CT902E-CS-WB-RW-WH-TF**

Series	Mounting	Power Source	Panel Color	Finish	Options (Factory Installed)
CT902E = Single-face	CR = Recessed Ceiling	LB = AC Only	GC <sup>1</sup> = Green Letters/Clear Panel	BA = Brushed Aluminum <sup>3</sup>	IV = Inverted Panel
CT903E = Double-face	CS = Surface Ceiling	WB = With Battery	GM = Green Letters/Mirror Panel	PA = Polished Aluminum <sup>3</sup>	TF = 120 Minute Run Time (NiCad)
	ES = Surface End		GW = Green Letters/White Panel	WH = White	USA = Meets Buy American Requirements
	WR <sup>1</sup> = Wall Recessed		RC <sup>1</sup> = Red Letters/Clear Panel		
	WS <sup>1</sup> = Surface Wall		RM = Red Letters/Mirror Panel		
<b>Notes</b>			RW = Red Letters/White Panel		

<sup>1</sup> Single-face units only

<sup>2</sup> Order as separate line item

<sup>3</sup> Recessed or Wall Recessed mounting only

**Accessories<sup>2</sup> (Field Installed)**

ER1-KIT = 1' Pendant Mount

**CONSTRUCTION**

**Housing**

Available in either a powder coated white or brushed aluminum finish.

Surface Mounting: 20 gauge steel trim enclosure with mounting canopy

Recessed Mounting: 20 gauge steel housing with an adjustable bar hanger assembly.

**Panels**

Constructed of high quality clear acrylic with beveled lettering for maximum light output. Double-face panels are supplied with a mirror or white insert. Units are supplied with field selectable directional chevrons for all configurations.

Stencil letters and ADA compliant modified accessibility symbol are 6" high with 3/4" stroke, with minimum of 100' viewing distance rating as required by UL 924 standard.

**ILLUMINATION**

Illumination of the CT900E 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.

**Nickel Cadmium Battery – NiCad**

Exitronix nickel cadmium batteries are maintenance-free with a life expectancy of 15 years. NiCad technology provides long-lasting, safe and reliable performance by utilizing the jelly roll design and allows a NiCad 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 CT900E 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. An extended 120 minute battery is available.

**Brownout Circuit**

Brownout circuit monitors the line voltage, as the line voltage sags and can no longer illuminate the exit sign to meet UL924 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**

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.

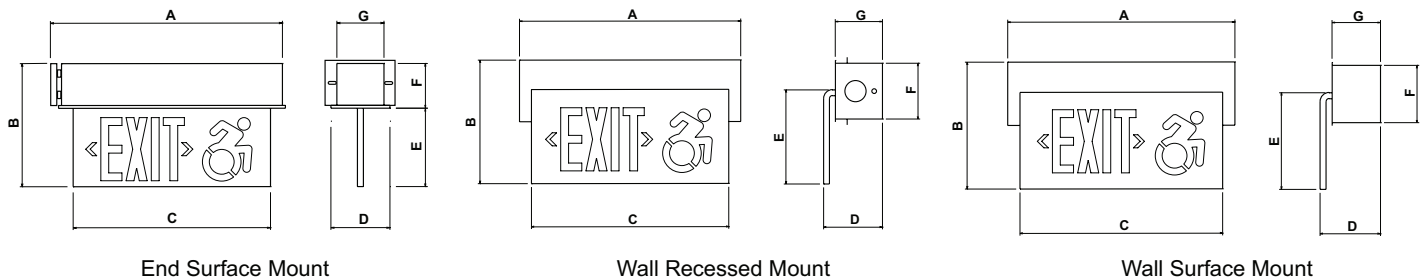
**INSTALLATION**

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 CT900E Series is CSA Listed and meets or exceeds the following: UL 924, CEC, 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**



Series	A	B	C	D	E	F	G
End Surface Mount	19.5"	11.3"	17.5"	4.5"	7.3"	4.0"	4.0"
Wall Recessed Mount	21.5"	10.0"	17.5"	5.5"	8.0"	4.0"	4.0"
Wall Surface Mount	19.5"	10.0"	17.5"	5.5"	8.0"	4.0"	4.0"

Specifications are subject to change without notice. Installation must be performed in accordance with Barron Lighting Group installation instructions.