

The CT900E Series offers a reduced size backbox and trimplate. 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 (Para. 1011.1.2)
- Rugged 20 gauge steel back box, trim plate and enclosure
- Panel includes "EXIT" wording with the ADA compliant modified accessibility symbol
- Mirror panel supplied as a standard on all double-faced signs
- Recessed and surface mount
- 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
- Optional 120 minute run time (TF)
- Exit face is illuminated by long-life, high intensity, red or green LEDs
- Field selectable directional chevrons included for all configurations
- Ceiling recessed, wall recessed, surface ceiling, wall or end mount
- 120/277V dual primary, 60Hz input
- Standard finish: White
- 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



**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 instances of uncontrollable natural forces. See the full Exitronix warranty document for detailed information.

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

| Series   | Mounting                        | Power Source      | Panel Color                                 | Finish     | Options (Factory Installed)                      |
|--|---------------------------------|-------------------|---|------------|--|
| CT902E = Single Face                                 | CS = Surface Ceiling            | LB = AC Only      | RC <sup>1</sup> = Red Letters/Clear Panel   | WH = White | IV = Inverted Panel                              |
| CT903E = Double Face                                 | WS = Surface Wall               | WB = With Battery | RW = Red Letters/White Panel                |            | TF = 120 Min Run Time (NiCad)                    |
|  | ES = Surface End                |                   | RM = Red Letters/Mirror Panel               |            | USA = Meets Buy American Requirements            |
|  | CR = Recessed Ceiling           |                   | GC <sup>1</sup> = Green Letters/Clear Panel |            | BA = Brushed Aluminum <sup>3</sup>               |
|  | WR <sup>1</sup> = Wall Recessed |                   | GW = Green Letters/White Panel              |            | PA = Polished Aluminum <sup>3</sup>              |
| <b>Notes</b>   |                                 |                   | GM = GreenLetters/Mirror Panel              |            |  |
| <sup>1</sup> Single face units only                  |                                 |                   |   |            | <b>Accessories<sup>2</sup></b> (Field Installed) |
| <sup>2</sup> Order as separate line item             |                                 |                   |   |            | ER1-KIT = 1' Pendant Mount                       |
| <sup>3</sup> Recessed or Wall Recessed mounting only |                                 |                   |   |            |  |

## 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 ft 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. 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 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 90mins 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.

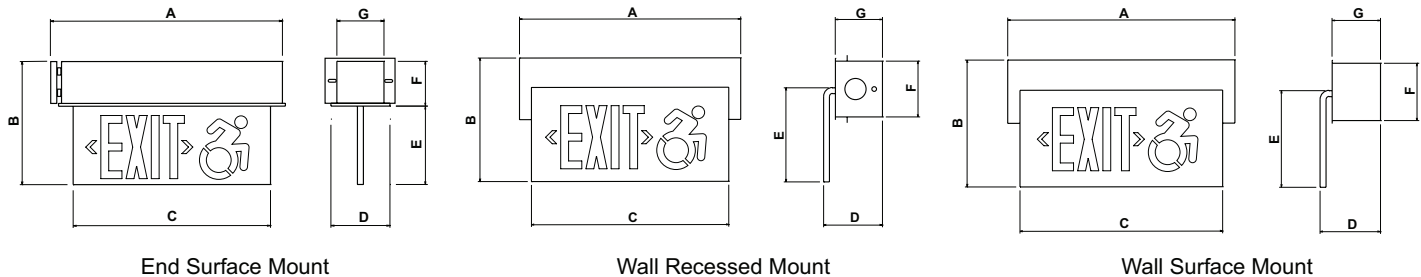
## INSTALLATION

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, 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 <sup>1</sup> / <sub>2</sub> " | 11 <sup>1</sup> / <sub>4</sub> " | 17 <sup>1</sup> / <sub>2</sub> " | 4 <sup>1</sup> / <sub>2</sub> " | 7 <sup>1</sup> / <sub>4</sub> " | 4" | 4" |
| Wall Recessed Mount | 21 <sup>1</sup> / <sub>2</sub> " | 10"                              | 17 <sup>1</sup> / <sub>2</sub> " | 5 <sup>1</sup> / <sub>2</sub> " | 8"                              | 4" | 4" |
| Wall Surface Mount  | 19 <sup>1</sup> / <sub>2</sub> " | 10"                              | 17 <sup>1</sup> / <sub>2</sub> " | 5 <sup>1</sup> / <sub>2</sub> " | 8"                              | 4" | 4" |