

The CT400E Series offers a modern, slim profile, extruded aluminum enclosure design ideal for commercial and institutional installations. Designed to meet the State of Connecticut requirements, utilizing a universal handicap symbol. The CT400E Series features high-intensity red or green LED's providing bright and uniform illumination.

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

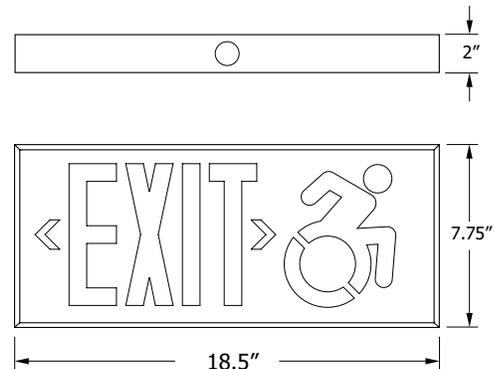
**FEATURES & BENEFITS**

- Meets State of Connecticut Emergency Building Code requirements (Para. 1011.1.2)
- Face includes "EXIT" legend with the ADA compliant, modified accessibility symbol
- California Energy Commission (CEC) compliant
- American Recovery and Reinvestment Act (ARRA) compliant (with USA option)
- Buy American Act (BAA) compliant (with USA option)



**SPECIFICATIONS**

- Illumination:** Long-life, high-intensity, red or green LEDs.
- Housing:** Extruded aluminum with power coated finish
- 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:** Brownout Protection  
Low Voltage Disconnect  
Overload and Short Circuit Protection
- Legend:** Fully-illuminated 6" characters with 3/4" stroke and field-selectable directional chevrons.
- Mounting:** Ceiling, end or wall mounted, canopy included.
- Finishes:** Black or White
- Certifications:** 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.
- 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.



**ORDERING INFORMATION Example: CT403E-WB-WH-TF**

| Series                                 | Power Source      | Finish                         | Options (Factory Installed)               | Accessories <sup>4</sup> (Field Installed) |
|--|-------------------|--------------------------------|---|--|
| CT402E = Red Single-face               | LB = AC Only      | WH = White                     | 2C1 <sup>3</sup> = 2 Circuit Input 120VAC | ER1-KIT = 1' Pendant Mount                 |
| CT403E = Red Double-face               | WB = With Battery | BL = Black                     | TF = 120 Minute Run Time                  |  |
| GCT402E = Green Single-face            |                   | CC <sup>2</sup> = Custom Color | USA = Assembled in the USA                |  |
| GCT403E = Green Double-face            |                   |                                |   |  |
| CT400E <sup>1</sup> = Red Universal    |                   |                                |   |  |
| GCT400E <sup>1</sup> = Green Universal |                   |                                |   |  |

**Notes**<sup>1</sup> Includes (2) faceplates, backplate and mounting canopy<sup>2</sup> Consult factory<sup>3</sup> LB only<sup>4</sup> Order as separate line item**CONSTRUCTION**

The CT400E series exit is constructed of extruded aluminum. Universal chevron knockouts are concealed and easily removed. All units are supplied with mounting canopy for ceiling, wall or end mounting. Finish options include white or custom color powder coat.

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 CT400E 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 jellyroll 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 CT400E series exit will operate for a minimum of 90 minutes during a loss of power with a 24 hour minimum 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.

**OPTIONS****Two-Circuit Operation (Option: 2C1)**

Two-circuit operation features for emergency lighting allows the dual input of power sources for units less battery (AC only).

The purpose of this feature is to provide the compatibility of our emergency units in applications where inverters or alternate back up power sources are utilized.

**Assembled in the USA (Option: USA)**

Can be produced or transformed to comply with the American Recovery and Reinvestment Act of 2009 (ARRA) requirements and Buy American provisions.

**CONFORMANCE TO CODES & STANDARDS**

The CT400E 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.