

The Recessed T-bar CR Series combines performance and dependability into a rugged 20 gauge steel enclosure. Designed specifically for T-bar type ceiling grid systems, this recessed installation provides a clean, architectural appearance.

**FEATURES**

- Compact, flush-mount design
- Available in 12 Volt
- Enclosure constructed of 20 gauge steel
- Low voltage disconnect eliminates deep discharge
- Brownout, short circuit and voltage surge protection
- Overcharge protection
- Maintenance-free sealed lead calcium battery
- Recessed ceiling mount
- UL Listed 90 minute emergency run time, 24 hour recharge time
- Standard finish: White
- 120/277VAC dual primary, 60Hz input

**WARRANTY**

Any component that fails due to a manufacturing defect is guaranteed for five years with a separate five year pro-rated warranty on the battery. The warranty does not cover physical damage, abuse or instances of uncontrollable natural forces. Manufacturer reserves the right to charge for such repairs if deemed necessary.

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



**Available While Supplies Last**



**ORDERING INFORMATION Example: CR12-54-R12H25-2**

Series	Wattage	Lamp Heads	# of Lamps	Accessories <sup>1</sup> (Field Installed)
CR12 = 12 Volt Sealed Lead Calcium	54 = 54 Watt	R12H25 = 25 Watt	2 = 2 Lamps	WG-7 = Wire Guard (Back Mount) XG-EL90 = Poly Guard (Back Mount)

**Notes**

<sup>1</sup> Order as separate line item

## CONSTRUCTION

Die-formed 20 gauge steel housing with epoxy powder coat finish. White finish is standard.

## ILLUMINATION

Lamp head styles are constructed of high impact thermoplastic in a color matching the finish of the cabinet. Illumination is accomplished with up to two thermoplastic or metal lamp heads mounted to the unit.

## ELECTRICAL

### Input

Dual-voltage input 120 or 277VAC at 60Hz

### Sealed Lead Calcium Battery (WB)

Exitronix sealed lead calcium batteries are maintenance-free with a life expectancy of five years. Sealed lead calcium batteries provide a relatively large power-to-weight ratio making them ideal for emergency applications. Lead calcium batteries perform optimally in temperatures ranging from 59°F to 104°F (15°C to 40°C).

### Emergency

The CR Series 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

Brownout circuit monitors the line voltage, as the line voltage sags and can no longer illuminate the exit sign to meet UL 924 visibility test, the emergency circuit will turn on to supply a portion or all the power to illuminate the sign for 90 minutes until the line voltage is restored.

### Low Voltage Disconnect

Low Voltage Disconnect (LVD) measures the battery terminal voltage. The LVD continuously monitors the battery terminal voltage and if it should fall below a preset voltage threshold, the LVD will disconnect the load. When the battery is recharging and voltage is raised above another preset voltage threshold, the load is automatically reconnected.

### Overload and Short-Circuit Protection

The overload monitoring system is a solid state circuit which monitors the lamp load and disconnects from the battery shall an overload or short circuit occur. The overload current protection eliminates the need for fuses or circuit breakers for the DC load.

### Test Button

The test button is easy to locate and provides manual verification of the transfer circuit and emergency lamps.

## INSTALLATION

Easily mounted with T-bar mounting bracket located on each side of the unit that aligns the unit onto the T-bar grid. Various chain holes can also be accessed to chain mount the unit to secure points above the ceiling.

## CONFORMANCE TO CODES AND STANDARDS

The CR Series is UL Listed and meets or exceeds the following: UL 924, NEC requirements and NFPA 101. The CR Series is in full compliance with the American Recovery and Reinvestment Act of 2009 (ARRA) requirements and Buy American provisions.

## DIMENSIONS

