

The 500E Series is the brightest most visible sign in the industry in both normal and smoke-filled environments. Constructed of durable 20 gauge steel, this direct view exit sign provides bright illumination with individual LEDs visually expressing the word EXIT.

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

FEATURES

- Enclosure constructed of rugged 20 gauge steel
- Solid 1/8" thick, vandal-resistant, polycarbonate lens
- Low voltage disconnect eliminates deep discharge
- Brownout, short circuit and voltage surge protection
- Overcharge protection
- Combination exit/emergency light option available (REN3)
- Maintenance-free NiMH (standard) and sealed lead calcium (G1) batteries
- Ceiling, end or wall mount
- Operating temperature: 20°C to 30°C (68°F to 86°F)
- Constant, uniform illumination by long-life, high-intensity, green or red LEDs
- Optional Guardian Self-diagnostics (G1) available
- Field-selectable directional chevrons
- 120/277VAC Dual primary, 50/60Hz input
- Standard finishes: Black or White
- Assembled in the USA with global components
- UL 924 Listed 90 minute emergency run time, 24 hour recharge time



WARRANTY

Any component that fails due to a manufacturing defect is guaranteed for 25 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: 502E-WB-WH-G1

Series	Power Source	Finish	Options (Factory Installed)	Accessories ⁸ (Field Installed)
502E = Red Single-face	LB = AC Only	BL = Black	C6 ² = White Face w/Red Letters	ER1-KIT = 1' Pendant Mount Kit
503E = Red Double-face	WB = NiMH Battery (Std)	WH = White	C10 ³ = White Face w/Green Letters	ER2-KIT = 2' Pendant Mount Kit
G502E = Green Single-face	2C11 ¹ = 2 Circuit Input 120/120V		DL ⁴ = Downlight	TRHT-6H-8H = Tamper Tool
G503E = Green Double-face	2C17 ¹ = 2 Circuit Input 277/277V		DR ⁴ = Damp Location Rated	WG-1 = Wire Guard (Back Mount)
	2C117 ¹ = 2 Circuit Input 120/277V		G1 ^{5,6} = Self-diagnostics	WG-2 = Wire Guard (End Mount)
Notes			TRH ⁷ = Tamper-Resistant Hardware	WG-3 = Wire Guard (Ceiling Mount)
¹ Not available with G1 option			Combo Option	XG-1 = Poly Guard (Back Mount)
² Only available with 502E and 503E			REN3 ^{4,5} = (2) Renegade 2.6W PAR16 LED Lamps	XG-3 = Poly Guard (Ceiling Mount)
³ Only available with G502E and G503E				
⁴ Not UL Listed option				
⁵ Only available with WB (sealed lead calcium battery) and G1 (Self-diagnostics)				
⁶ Not UL Listed with 503E or G503E				
⁷ Must order Tamper Tool (TRHT-6H-8H) as separate line item				
⁸ Order as separate line item				

CONSTRUCTION

Our specification grade 500E series enclosure, faceplate, and mounting canopy are 20 gauge galvanized steel with powder coat paint. Faceplate has 3/4" black letters with red or green LEDs. 1/8" polycarbonate shield protects LEDs from impact. Optional faceplates are available.

ILLUMINATION

Illumination of the 500E series is accomplished utilizing high-intensity, long-life LEDs exceeding UL 924 requirements for brightness and uniformity. LEDs provide excellent, even illumination while maximizing energy efficiency. LEDs are a maintenance-free solution, providing up to 100,000 hours of use.

EMERGENCY LIGHTS (Option: REN3)

Emergency lights feature field-selected top or side mounting. The 500E series is RENEGADE compatible - 2.6W LED PAR16 style head, (not UL Listed).

ELECTRICAL

Input

Dual primary 120 or 277VAC @ 50/60Hz.

Nickel-Metal Hydride - NiMH (Standard)

Extronix NiMH batteries are maintenance-free with a long life expectancy.

Sealed Lead Calcium Battery (Standard)

Extronix sealed lead calcium batteries are maintenance-free.

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 min 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.

Solid-State Transfer

The circuit features solid-state switching for emergency lamps, eliminating concerns of damaged contact or mechanical failures associated with relays. The switching circuit detects a loss of line voltage and automatically switches to emergency mode.

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

Installs in minutes with easy-to-read instructions and detailed diagrams. No special hardware or tools necessary. Internally housed components and battery eliminate the use of a canopy when wall mounting single-faced exits. Mounting canopy included.

OPTIONS

Damp Location Rated (Option: DR)

Damp Location Rated fixture that is normally or periodically subject to condensation of moisture in, on or adjacent to, and includes partially protected locations. (Not UL Listed)

Guardian Self-Diagnostics (Option: G1)

The Guardian circuit continuously monitors the operating condition of the battery charging circuit and battery supply voltage. The purpose of this option is to provide visual signaling in response to a fault at the exit sign battery and/or battery charger. If a failure is detected, visual status will occur immediately via the CHARGER LED and/or the BATTERY FAULT LED. The LEDs will stay illuminated until the fault is corrected.

CONFORMANCE TO CODES & STANDARDS

The 500E Series is UL 924 Listed and meets or exceeds the following: NEC requirements and NFPA 101.

DIMENSIONS

