

The NAV series vandal-resistant exit sign is designed to stand up to high abuse areas such as correctional facilities, schools, apartment complexes, and public areas that may be subject to vandalism. The NAV series features an IEC IP66 rating standard and is suitable for Wet or Hose Down applications.

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

### FEATURES

- IP66 Rated for Wet and Hose Down locations
- Heavy-duty 0.42" thick, cast aluminum housing
- Impact-resistant, 1/8" polycarbonate shield offers extreme protection
- Guardian Self-test/Self-diagnostics (G2) standard
- Tamper-resistant hardware standard
- Maintenance-free NiCad battery
- Extended 120 minute run time (TF) battery available
- Operating temperature: 10°C to 40°C (50°F to 104°F)
- Optional internal battery heater for cold locations down to -20°C (-4°F)
- Ceiling, end or wall mount
- Constant, uniform illumination by long-life, high-intensity, red or green LEDs, fully-illuminated 6" characters with 3/4" stroke
- Field-selectable directional chevrons included for all configurations
- 120/277VAC, 50/60Hz input
- Standard finishes: Black or White
- California Energy Commission (CEC) compliant
- The Intertek verified splash zone listing is certified to the NSF standard 2, meeting the rigorous sanitation, electrical safety and performance standards of food service environments.
- American Recovery and Reinvestment Act (ARRA) compliant
- Buy American Act (BAA) compliant



### 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. (Terms and Conditions apply)

### ORDERING INFORMATION Example: NAV-NC-R-1-W-IH1

Series	Power Source	Legend	No. of Faces	Finish	Options (Factory Installed)
NAV	LB = AC Only	G = Green	1 = Single-face	B = Black	IH1 <sup>1</sup> = 120VAC Battery Heater
	NC = NiCad Battery	R = Red	2 = Double-face	W = White	IH2 <sup>1</sup> = 277VAC Battery Heater
					2CI1 <sup>2</sup> = 2 Circuit Input 120VAC
					2CI7 <sup>2</sup> = 2 Circuit Input 277VAC
					TF <sup>1</sup> = Extended Run Time (120 min)

#### Notes

<sup>1</sup> Only available with NiCad battery backup power source (NC)

<sup>2</sup> Only available with AC only power source (LB)

## CONSTRUCTION

The NAV Series is constructed from .420" thick, heavy-duty die-cast aluminum. The faceplates are protected by high abuse clear polycarbonate which is recessed into the housing. Tamper-resistant screws are standard. NAV exits are available in single- or double-face configurations. The NiCad Battery version comes standard with an external LED status indicator and infrared test switch.

### Vandal Lens

Providing a vandal lens to exit fixtures offers additional protection to the unit against intentional or unintentional abuse.

## ILLUMINATION

Illumination of the NAV Series is achieved with high output, long lasting red or green LEDs exceeding UL 924 requirements for brightness and uniformity. An exclusive color-matched diffuser eliminates hot spots and striations, providing optimal light output.

## ELECTRICAL

### Input

Dual-voltage input 120 or 277VAC @ 50/60Hz.

### Nickel Cadmium Battery - NiCad (With Battery Only)

Extronix nickel cadmium batteries are maintenance-free.

### 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.

### Test Button

Our easily located test button allows for manual verification of proper operation of the transfer circuit and emergency lamps.

### 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 a minimum of 90 minutes until the line voltage is restored.

## INSTALLATION

The NAV Series is supplied with a universal mounting system and is suitable for ceiling, end or wall mount applications. Suitable for indoor, outdoor, Damp, or Wet Location applications.

### IP66 Rated (Standard)

IP66 Rating ensures that the product can be installed in outdoor applications where significant water or dust may come in contact with the fixture. IP66 Rated fixtures are fixtures designed to perform in Hose Down applications.

## OPTIONS

### Guardian Self-Test/Self-Diagnostics (Standard)

The Guardian Self-test/Self-diagnostic service monitors the following always, and provides a visual indication of unit's status via a multi-color LED: Battery disconnection, LED failure, Battery charging operation, and battery failure.

The function is factory preset, and NO field adjustments are required.

After battery connection and AC power is applied, the Auto-test counter will be activated to schedule the following tests

- 1) Five minute battery discharge and self-testing every 30 days.
- 2) Two 90 minutes battery discharge and self-testing every six months, 48 hours apart.

Units equipped with Self-test/Self-diagnostics require a hard reset when AC power is disconnected for a period longer than 24 hours.

### Tamper-Resistant Hardware (Standard)

Tamper-resistant hardware adds an additional layer of protection to the unit, preventing unwanted access to the interior of the unit or removal of the face plates.

### Two-Circuit Operation - (Option: 2CI1 or 2CI7)

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.

### Internal Heater - (Option: IH1 or IH2)

The internal heater on this emergency fixture is designed to extend the operating temperature range of this unit down to -20°C (-4°F).

## CONFORMANCE TO CODES & STANDARDS

The NAV Series is CSA listed and meets or exceeds the following: UL 924, CEC, NEC requirements and NFPA 101. The Intertek verified splash zone listing is certified to the NSF standard 2, meeting the rigorous sanitation, electrical safety and performance standards of food service environments.

## DIMENSIONS

