

NAV SERIES

VANDAL RESISTANT & WEATHERPROOF LED EXIT SIGN

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 features an IEC IP66 rating standard, and is suitable for wet or hose down applications.

FEATURES

- IP66 rated for wet and hose down locations - NEMA 4X
- 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
- Optional internal battery heater for cold locations (down to -20°C)
- Ceiling, wall or end 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
- 120/277V, 60Hz input
- Standard finishes: Black or White
- Assembled in the U.S.A.



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: NAV-NC-R-1-W-IH1

Series	Power Source	Color	No. of Faces	Finish	Options (Factory Installed)
NAV	LB ¹ = AC Only	R = Red	1 = Single Face	W = White	IH1 = 120VAC Battery Heater
	NC = NiCad Battery	G = Green	2 = Double Face	B = Black	IH2 = 277VAC Battery Heater
					2CI1 ² = 2 Circuit Input 120VAC
					2CI7 ² = 2 Circuit Input 277VAC
Notes					TF = Extended Run Time (120 min)
¹ G2 not available with LB					USA = Meets Buy American Requirements
² LB only, for use with inverter or generator applications only					

CONSTRUCTION

The NAV series is constructed from .420" thick, heavy duty die-cast aluminum. The face plates 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 @ 60Hz.

Nickel Cadmium Battery - NiCad (With Battery Only)

Extronix 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.

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 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.

INSTALLATION

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

NEMA 4X Rated (Standard)

NEMA 4X rated fixtures are designed for outdoor applications. NEMA 4X rating ensures that the fixtures will withstand contact with falling dirt, moderate or jet driven water, ice and corrosion. NEMA 4X fixtures are designed to perform in hose down 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.

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) 5-minute battery discharge and self-testing every 30 days.
- 2) Two 90 minutes battery discharge and self-testing every 6 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: 2C11 or 2C17)

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 degrees C (-4 degrees F).

Made in the USA - (Option: USA)

Many of our products can be produced or transformed to comply with the American Recovery and Reinvestment Act of 2009 (ARRA) requirements and Buy American provisions. These fixtures meet LEVEL 2 or 3 compliance when option is requested - please call factory for details with questions.

CONFORMANCE TO CODES & STANDARDS

The NAV Series is CSA listed and meets or exceeds the following: UL 924, NEC requirements and NFPA 101.

DIMENSIONS