

NAV-C SERIES

VANDAL RESISTANT & WEATHERPROOF LED EXIT SIGN COMBO

The NAV-C series vandal resistant combination 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-C exit combo 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 of full unit
- Fully-adjustable, high-intensity two 10W MR16 halogen lamps
- Available in 6 or 12 volt
- Tamper-resistant hardware standard
- CSA recognized NiCad battery
- Universal mounting - 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
- 120/277/347V, 60Hz input
- Standard finishes: Black or White
- Assembled in the U.S.A.



WARRANTY

Any component other than lamps that fails due to manufacturers defect is guaranteed for 3 years with a separate 3 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-C-6-42-10M-R-1-B

Series	Voltage	Wattage	Lamp (x 2)	LED Color	No. of Faces	Finish
NAV-C	6 = 6 Volt	42 = 42 Watts	10M = 10 Watt	R = Red	1 = Single Face	W = White
	12 = 12 Volt		20M = 20 Watt ¹	G = Green		B = Black
			LED = 5 Watt			

Notes

¹ Available in 12 Volt unit only

CONSTRUCTION

The NAV-C 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. The self-powered version comes standard with an external LED status indicator and infrared test switch.

Stencil letters are 6" high with 3/4" stroke.

ILLUMINATION

Illumination of the NAV-C 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. Illumination of the NAV-C series is accomplished utilizing high-intensity, long-life LEDs. LEDs provide excellent illumination while maximizing energy efficiency. LEDs are a maintenance-free solution, providing up to 100,000 hours of use without failure.

EMERGENCY LIGHTS

Bottom mounted lamp assembly contains two fully adjustable, high-intensity 10 watt MR16 halogen lamps. Lamp assembly is enclosed in a vandal-resistant polycarbonate shield. The high abuse, clear polycarbonate lens provides protection of the lamps. Tamper resistant screws are standard for the lamp housing. The emergency light enclosure comes standard with a vacuum metalized reflector for an aesthetic look.

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. Nickel cadmium batteries offer high discharge rates and continue to perform in a vast temperature range from 32°F - 104°F (0°C - 40°C).

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 90mins 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

The NAV-C Series is supplied with a universal mounting system and is suitable for surface 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 circuit continuously monitors the operating condition of the AC power, battery supply voltage, emergency lamp continuity and charging circuit.

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.

The Guardian circuit also monitors the transfer circuit as well as performing automatic code compliant testing. The Guardian circuit will perform a 30 second discharge and self-test every 28-30 days. A 90 minute discharge and self-test is performed every 6 months.

CONFORMANCE TO CODES & STANDARDS

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

DIMENSIONS

