

The NXFX Series is a part of the NXF family of NEMA 4X and UL-EPH Classified emergency lighting solutions for extreme commercial and heavy industrial environments. The NXF family offers protection against humidity, dust, and water infiltration. Other products available from this series are the [NXFX \(Exit Sign\)](#), [NXFC \(Exit Combo\)](#), [NXFE \(Emergency Lighting Unit\)](#), and [NXFR \(Remote Head\)](#). The reinforced polycarbonate enclosure with impact-resistant, UV-stable polycarbonate lens is suitable for vandal-prone areas and Wet Locations.

FEATURES

- NEMA 4X Certified
- UL-EPH Classified
- California Energy Commission (CEC) compliant
- IP66 Rated
- Touchless, magnetically operated test switch (non-AC models only)
- Easy snap-out, field-selectable chevrons

SPECIFICATIONS

Illumination: Long-life, high-intensity, green or red LEDs

Housing: NEMA 4X rated polycarbonate enclosure, polycarbonate lens and stainless steel hardware

Electrical Input: 120/277VAC Dual primary, 60Hz

Battery: Maintenance-free NiCad battery

Operating Temp: -20°C to 50°C (-4°F to 122°F)

Run Time: 90 Minute emergency run time, 24 hour recharge time

Legend: Fully illuminated 6" characters with 3/4" stroke

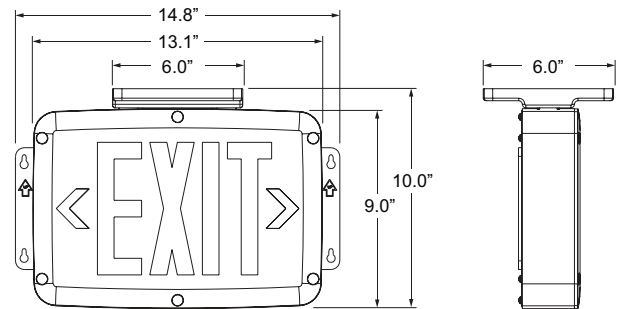
Mounting: Back, end or top mount

Finishes: Black or White

Certifications: UL 924 Listed for Wet Locations
Meets NFPA 101 Life Safety Code, NEC, OSHA
ANSI/UL Classified for use in food service operations
California Energy Commission (CEC) Title 20 Compliant
NEMA 4X and IP66 Rated

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.

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



ORDERING INFORMATION Example: NXFX-1-WB-G-BL-G2

Series	Style	Power Source	Legend Color	Finish	Options (Factory Installed)
NXFX	1 = Single-face	LB = AC Only	G = Green Legend	BL = Black	2CI1 ¹ = 2-Circuit Input 120VAC
	2 = Double-face	WB = NiCad Battery	R = Red Legend	WH = White	2CI7 ¹ = 2-Circuit Input 277VAC
Notes					G2 ² = Self-test/Self-diagnostics
¹ LB Units only					TRH = Tamper-resistant Hardware
² WB Units only					

CONSTRUCTION

The NXFX Series exit enclosure is made of UV-stable, reinforced polycarbonate coupled with a polycarbonate lens, corrosion-resistant hardware, and a molded gasket to provide protection for the equipment inside against ingress of solid foreign objects (dust) and water.

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

ILLUMINATION

Illumination of the NXFX 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 120/277VAC @ 60Hz.

Battery/Charger/Indicator (WB option only)

Maintenance-free 4.8 volt long-life, rechargeable nickel-cadmium batteries. Fully automatic solid-state, two rate charger initiates battery charging to recharge a discharged battery within 24 hours. The internal solid-state transfer switch automatically connects the internal battery to power the LED board for a minimum of 90 minutes of illumination during the loss of utility power. A bi-color LED indicator light alerts occupant on battery condition (Green-normal, Red-check battery).

Test Button

The NXFX uses a touchless, magnetic test switch (non-AC models only) along with an LED light indicator for code compliance testing.

INSTALLATION

The NXFX Series is supplied with a universal knockout pattern and gasket for watertight back mounting. The unit also comes with a polycarbonate canopy for ceiling or end mounting.

OPTIONS

Two-Circuit Operation (Option: 2C11 or 2C17)

Two-circuit operation features for emergency lighting allows the dual input of power sources for AC-only units (LB).

The purpose of this feature is to provide the compatibility of our emergency units in applications where inverters or alternate backup power sources are utilized.

Tamper-Resistant Hardware (Option: TRH)

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 lens.

Guardian Self-Test/Self-Diagnostics (Option: G2)

The Guardian circuit continuously monitors the operating condition of the AC power, battery supply voltage, LED lamp continuity and charging circuit.

Once the unit is properly installed according to the installation instructions and AC power is supplied, the EXIT will come ON. The dual-color LED indicator will also come ON, automatically initiating the self-diagnostic test function. The LED indicator points out the current unit status. Refer to chart below for more details. The LED indicator would be OFF when the unit is in Emergency mode.

The self-diagnostic function is factory preset without any field adjustment. The automatic self-diagnostic feature serves the following tests:

- On-line real time monitoring of battery and LED(s): Identifies battery charging, disconnection and failure along with LED strip failures.
- Self-testing and a 30-second discharge once every 30 days (conforming to NFPA code requirements), after AC power has been supplied for a minimum of 24 hours.
- Self-testing and a 30-minute discharge once every 180 days, after AC power has been supplied for a minimum of 24 hours.
- Self-testing and a 90-minute discharge once every 365 days (conforming to NFPA code requirements), after AC power has been supplied for a minimum of 24 hours.

Function	LED Indication
Battery Fully Charged	STEADY Green
Unit in Test Mode	Flashing Green
Battery Recharge	Red & Green (Flashing Alternately)
Battery Disconnected	STEADY Red
Battery Recharge Failure ¹	Flashing Red (Four Times)
Battery Failure ²	Flashing Red
LED Strip Failure	Flashing Red (Two Times)

¹ A battery recharge failure is more likely seen after a monthly or annual auto-discharge.

² A battery failure is more likely seen when the unit goes into a monthly/annual discharge test and/or fails to run the LED strip for the designated amount of time in Test/Emergency mode.

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.

UL-EPH Classified (Standard)

UL-EPH classification ensures that the equipment has been evaluated, tested, and classified to Environmental and Public Health Standards, and certified by ANSI/UL as complying with international commercial food equipment hygiene codes and requirements and that the product can be installed in food processing applications.

CONFORMANCE TO CODES & STANDARDS

The NXFX Series is UL 924 Listed for Wet Locations and meets or exceeds the following: NEC requirements and NFPA 101.