



LN4X Series

Wet Location/NEMA 4X Thermoplastic Exit Sign

FEATURES

Application

The LN4X is an application for indoor or outdoor locations with wet or dusty environments requiring corrosion-resistant, UL 50 type 4X exit signs with energy-saving, long-life LED lamp assemblies.

Construction

The LN4X Series is constructed of neutral gray, high-impact-resistant, glass filled polycarbonate with a clear polycarbonate cover. The cover is secured to the housing by means of four slotted polyamide screws. An oil resistant gasket with a cover provides a watertight and dust-tight seal. A white trim plate installs under the housing cover. Letter are offered standard in a choice of green or red. Directional arrows are snap-in chevron type. Emergency models come standard with a waterproof housing.

Installation

LN4X LED Series exit signs are designed to mount to wall through four 1/4" integral mounting holes in the unit housing. Mounting hardware is supplied by others. Units must be surface wired for utility power input. Housings are easily drilled or punched to accept sealed conduit hubs (supplied by others).

Illumination

LN4X LED Series exit signs come standard with energy-saving, LED lamp assemblies that allow operation from 120 or 277VAC. All models meet UL 924 requirements for exit face illumination or color contrast ratio and exceed NFPA 101 illumination requirements. LED lamp assemblies are arranged to provide a very evenly illuminated exit legend. Average useful life exceeds 20 years under normal operating conditions. LED lamps assemblies in emergency models provide illumination in AC and battery power modes.

Compliances

Listed to UL 924
UL Wet/Damp location listed

Warranty

Fixture: 5 Years Full
Battery: 2 Years Full, 8 years Pro-Rata

Catalog Number	
Comments	Type



ORDERING GUIDE

LN4X

Model	Letter Color	Exit Face Color	Operation	Self-Diagnostics	Options
	R Red G Green	W White	Blank AC Only E Emergency	Blank None I Spectron® Self-Test/Self-Diagnostic Electronics ⁷	2C 2-Circuit Operation ^{2,5} FAP Fire alarm panel interface ^{1,3,5,6} FM Flasher Module ^{1,5} DC Remote DC Operation ^{2,4,5} TR Tamper-proof cover screws (includes tool)

1. For use with Spectron® Self-Test/Self-Diagnostic models only
2. For use with AC models only
3. Operates with 24-volt AC or DC fire alarm panels
4. For emergency illumination of sign from remote 6-24 VDC power sources
5. DC option may not be specified with 2C and FAP options
6. FM and FAP options may not be specified together



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SPECIFICATIONS

Electronics

In standard maintenance-free Nickel-Cadmium supplied standard. The unit incorporates a solid-state, constant current type charger module. Operation is fully automatic. During normal operation, the charge module maintains the battery at full charge. A transfer circuit automatically switches to emergency battery operation upon loss of normal power. The battery will operate the unit's LED lamps for a minimum of 90 minutes during emergency operation. An automatic low-voltage disconnect circuit protects the battery from deep discharge damage during prolonged power failure. On restoration of utility power, the charger will begin a recharge cycle and bring the battery to full capacity within acceptable UL time standards. A test switch is provided for checking emergency operation. An "AC On" LED indicator is supplied for checking the presence of utility power. A universal 120/277 VAC, input transformer.

Standard Features Include

- UL 50 type 4X units for indoor/outdoor use
- Suitable for use in wet locations
- Oil-resistant gasket for watertight/dust-tight seal
- High-impact, corrosion-resistant polycarbonate housing
- LN4X Series utilizes NEMA 4X enclosures
- Easy installation
- Bright, even illumination
- Exceeds NFPA 101 illumination requirements
- Red and green letters
- Long-life LED lamps provide over 20 years of service
- Energy-saving operation
- Snap-in chevron type directional arrows
- Optional 2-circuit models available

Operating Temperature Range

Standard: 50°F to 104°F (10°C to 40°C)

POWER CONSUMPTION

Model	120VAC	277VAC
Red AC Only Models	2.64W	2.7W
Green AC Only Models	2.24W	2.24W
Red Emergency Models	3.81W	3.8W
Green Emergency Models	3.5W	3.5W

Power factor, average: .8 (lagging)

DIMENSIONS

