

Job Name: _____

Type: _____

Voltage: _____



CODES AND STANDARDS

UL Listed to Standard 924. All AC & emergency exits are available with UL damp location listing. Single face AC & emergency exits are available with UL wet location listing. Housing is rated for NEMA 3, 3R, 4, 4X, 6, 6P, 12 and 13 areas.

VOLTAGE

120/277 VAC selectable input on most units.

CONSTRUCTION

Water tight enclosure constructed of fiber-glass reinforced polyester with clear polycarbonate cover.

LAMP DATA

Two head exit comes standard with two 6v, 6w, halogen PAR 36 sealed beam lamp heads which are enclosed in water tight Lexan® reinforced polycarbonate.

LED (Light Emitting Diodes): The LED model operates 87 diodes connected in parallel, which means the unlikely loss of one LED will not affect the remaining LED's on the panel. Each LED panel consumes less than 6 watts. The LED's have an expected life of 30+ years. LED signs utilize super high intensity LED's with 10 footcandles illumination over the exit face.

BATTERY

Maintenance-free, long life nickel cadmium battery. Two head exit uses maintenance-free, sealed lead calcium battery. Available with maintenance-free, sealed lead calcium or nickel cadmium batteries. Sealed lead calcium batteries have an expected life up to 5 years. Optimum operating range for sealed lead calcium batteries is 65°F to 85°F*. Nickel cadmium batteries have an expected life up to 10 years. Optimum operating range for nickel cadmium batteries is 20°F to 90°F*.

*Increases or decreases in temperature will affect battery performance and/or capacity. Optimum battery performance realized at 77°F.

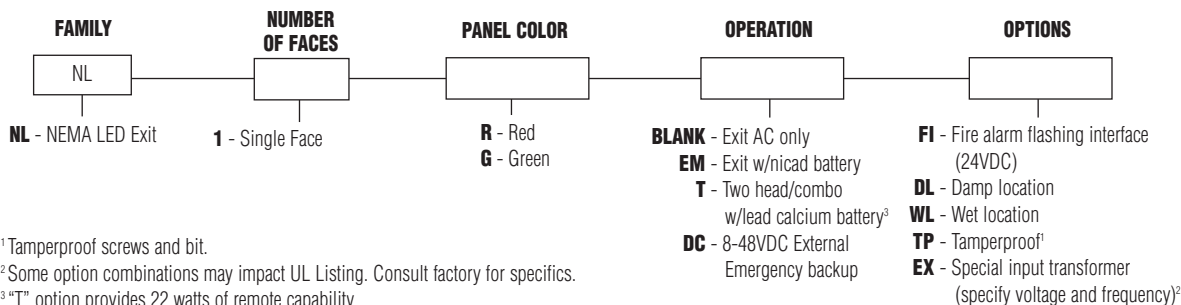
MOUNTING

Exit and Combo may be wall mounted using four through mounting holes or mounting feet.

WARRANTY

Five year warranty on units from date of purchase. (Lamps not included).

CATALOG NUMBER (Example: NLIR)



¹ Tamperproof screws and bit.

² Some option combinations may impact UL Listing. Consult factory for specifics.

³ "T" option provides 22 watts of remote capability.

ACCESSORIES

- WG8** Wire Guard for Wall and Ceiling Mount Exits
- WG10** Wire Guard for End Mount Exits
- EMF** External Mounting Feet

NL SERIES LED NEMA Exit and Combo

HOUSING

Watertight and corrosion resistant single-faced cabinet. Compression molded enclosure constructed of special fiberglass reinforced polyester resins. Fully gasketed lamp heads made from Lexan® 500 reinforced polycarbonate. Two head NEMA exit features fully adjustable 6v 6w sealed beam halogen lamp heads. Test switch and LED indicator light.

BATTERIES

Supplied standard with a maintenance free, sealed lead calcium or nickel cadmium battery.

Battery service life at optimum operating temperature is estimated at 5 years (lead calcium) or 10 years (nickel cadmium).

Suggested operating temperature range for lead calcium batteries is 65°F (19°C) to 85°F (30°C). Suggested operating temperature range for nickel cadmium batteries is 20°F (-7°C) to 95°F (35°C).

The NEMA Series Exit will provide a full 90 minutes of illumination at full rated lumen output.

Periodic testing of the unit (for three minutes, every 30 days) is encouraged to ensure compliance with most local fire codes, and will not adversely affect service life of the battery. The maintenance free, sealed lead calcium and nickel cadmium batteries contain an integral air expansion chamber which allows normal battery gassing created during charging to expand and recombine with battery electrolyte without passing to the external atmosphere. Under abnormal conditions, battery

construction will allow for gas expansion to the outside atmosphere, but only to prevent violent rupture of the battery case.

ELECTRONICS

AC Only

LED versions provide 120/277 VAC dual voltage input with surge protection.

Self-Powered

120/277 VAC dual voltage input with surge-protected, solid-state charging circuitry provides for a reliable charging system. The charging system is furnished with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

The low voltage disconnect (LVD) feature will disconnect the battery prior to an unacceptable deep discharge, but not before the required 90 minute emergency operation.

The AC lockout feature prevents battery drain prior to the initial energizing of utility power, and allows the installer to complete all wiring and electrical connections without energizing the emergency circuit.

The brownout protection circuitry will automatically switch the unit into the emergency mode if the utility voltage sags below 20% of nominal.

Battery charging circuitry is entirely solid-state, and utilizes a constant current charger for nickel cadmium battery units. A fully automatic, voltage regulated charger is used for lead calcium battery units. Battery recharge time after full discharge is less than the required UL 924 standard.

Line sensitive electronics cause an instantaneous transfer to battery power if utility power is lost, or a brownout condition is detected. When line voltage is present and stabilized, the transfer circuitry switches back to normal operation and begins recharging the battery. The transfer circuitry can be tested via a momentary test switch located on the housing.

NEMA CLASSIFICATIONS

NL Series Exits are designed for use in hostile environments that would otherwise damage ordinary sign components. All units are housed in a NEMA enclosure with the following classifications:

NEMA 3: Provides a degree of protection against windblown dust and windblown rain.

NEMA 3R: Provides a degree of protection against falling rain.

NEMA 4: Protects enclosed equipment against all types of water entry.

NEMA 4X: Same as NEMA 4 with addition of corrosion resistance.

NEMA 6: Provides a degree of protection against falling rain, splashing water and hose directed water.

NEMA 6P: Provides a degree of protection against the entry of water during temporary limited submersion.

NEMA 12: Protects enclosed equipment against entry of fibers, dirt and dust.

NEMA 13: Provides a degree of protection against lint, dust seepage, external condensation, and spraying of water, oil and non-corrosive liquids.

ELECTRICAL SPECIFICATIONS

Exit Only:

0.08 amps (120 VAC), 0.04 amps (277 VAC)

Exit Combo:

0.161 amps (120 VAC), 0.07 amps (277 VAC)

DIMENSIONS

