NM4

NEMA 4 & 4X | WET | BAA

Job/Location: _____

Contractor: _____ Job Type: _____

Prepared By: _____ Date: _____

- The **NM4** emergency **UNIT** has been designed for use in harsh and wet location environments.

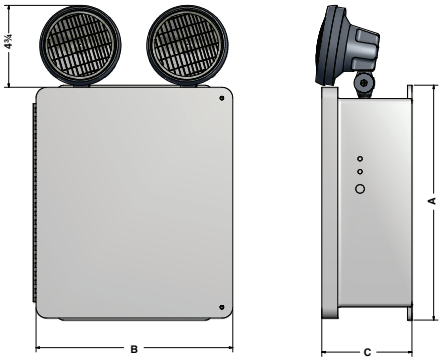
The top mounted, black weather proof Par36 style emergency heads are fully adjustable for precise positioning. Constructed from high impact thermoplastic and color matched to the housing.

Housing: constructed from durable fiberglass, the NEMA 4X rated housing features integrated mounting holes to ensure proper and secure installation.

NOTE: 3 year warranty standard, see details on next page.

- The **NM4** features a sealed and gasketed construction.
- The **NM4** is ideal for use in industrial facilities with harsh or corrosive environments, where a sealed and gasketed maintenance-free unit, with oil, water and dust-tight construction is required.

LED status indicator and magnetic test switch



Cabinet	A	B	C
B	11 7/16	9 1/4	5 7/16
C	13 7/16	11 1/4	5 7/16
D	15 1/2	13 3/8	6 1/4
E	17 1/2	15 3/8	6 1/4

specifications: internal

The **NM4** is configured with 120/277V input with solid state charging circuitry. Standard features include low voltage disconnect, AC lockout and brownout protection.

specifications: external

The **NM4** is constructed with a durable NEMA 4X rated fiberglass cabinet. Terminal connectors allow for larger gauge wires to be connected for remote loads. Industrial gray finish is standard. Emergency lighting heads are molded from high impact thermoplastic, (LR) PAR36 style heads are standard. Integrated mounting holes ensure proper and secure installation. External test switch and monitor LED are standard.

ordering logic

Series	Operation	Pb-A (Capacity)	Ni-Cd[1] (Capacity)	Emergency Heads	Lamps	Options
NM4	6V	18 (6V)	42 (6V, 12V)	0 (no heads)	See lamp selection	SD (autotest)
	12V	27 (6V)	54 (6V)	2 (double PAR36)	on next page	AM (ammeter)
	24V	36 (6V, 12V)	90 (6V, 12V)	2H2O (MR16)		3CP (cord set, 120V only)
		60 (6V, 12V)	100 (24V)	2SQ30[4] (LED MEGA 5000LM)		IH (internal heater)
		72 (6V)	130 (12V)			IRT[2] (infrared testing)
		100 (6V)	200 (12V, 24V)			NC[1] (nickel-cadmium battery)
		120 (6V, 12V)				TC[3] (Teflon® coating)
		140 (12V)				TD[2] (time delay- 0, 5, 10, 20 min)
		160 (12V)				VM (voltmeter)
		180 (12V)				WG (wireguard)
		200 (6V)				
		280 (24V)				
		360 (12V, 24V)				

NOTE 1: Nickel-cadmium. Must select NC from options when selecting Ni-Cd.
NOTE 2: Must specify voltage.
NOTE 3: Teflon® is a registered trademark of DuPont™.
NOTE 4: Available on 12V or 24V units only.

emergency heads

The NM4 is normally supplied with two (2) top mounted (LR) PAR36 style 9W heads. Lamp head styles are constructed of high impact thermoplastic. Please note: (LR) PAR36 style food-prep approved lenses are also available when ordering- TC (teflon coated).

specifications: electrical

The NM4 is designed with a maintenance free, sealed valve regulated lead acid battery that provides a minimum emergency duration of 90 minutes (for the listed rating). Recharge time of the battery is 48 hours. The maximum battery operating temperature is +40°C and the minimum is +10°C without internal heater option, with the internal heater the minimum operating temperature is -20°C. Nickel Cadmium batteries are available in several configurations.

The NM4 utilizes a high-efficiency to stage charger providing precise float voltage control with low voltage disconnect protection. All components used in the circuitry are temperature compensated. The charger also has brownout and short circuit protection. Charger status is easily determined via a dual diagnostic LED display which indicates AC/ON and High Charge. An external push button test switch allows maintenance personnel to quickly determine the operational status of the unit and lamp load.

specifications: mechanical

The NM4 is constructed with a durable NEMA 4X rated fiberglass cabinet. Industrial gray finish is standard. Weatherproof emergency lighting heads are molded from high impact thermoplastic. External test switch and monitor LED are standard.

self-diagnostics

The Mule Autotest system performs one 5 minute discharge test monthly. Every 6 months to 90 minute discharge tests are performed. This tests both full battery capacity and recharge capability, as required by the fire code. The information is communicated simply and intuitively to maintenance personnel via a single multi-color LED. The Mule Autotest system also includes 0, 5, 10 or 20 minute time Autotest delay function to allow HID lighting to restrike. IRT one button press tests unit for 90 minutes per code.

- Red: Battery or Circuit Malfunction
- Yellow: Lamp Malfunctioning
- Green: Normal Operation

warranty

The NM4 comes with a 3-year factory warranty for housing and electronics. 1-year warranty on batteries. Lamps are not covered under the warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.

lamp selection:

	6V	12V	24V
Incandescent	9, 12, 25 (18 - PAR36 Only)	9, 12, 18 (25 - PAR36 Only)	9, 18
Halogen (H)	8, 10, 12, 20	8, 12, 20, 35 55 (PAR36 only)	12, 20 70 (PAR36 Only)
Sealed Beam Tungsten (SB)	8, 12, 18, 25, 30	12, 18, 25, 30, 35, 50	N/A
Sealed Beam Halogen (HSB)	8, 12, 20	8, 12, 30, 35	N/A
H2OLED	5W	5, 7W	5, 7W
H2OMR16	5, 10W	10, 12, 20, 35, 50W	10, 12, 25, 50W
RD30LED	N/A	30W	30W
SQ30LED	N/A	30W	30W

model rating guide

Model	Voltage	Wattage				Cabinet
		90min	120min	180min	240min	
NM4-6-18	6	18	13	9	6	B
NM4-6-27	6	27	20	13	10	B
NM4-6-36	6	36	27	18	13	B
NM4-6-42*	6	42	31	21	15	B
NM4-6-54*	6	54	40	27	20	C
NM4-6-60	6	60	45	30	22	C
NM4-6-72	6	72	54	36	27	C
NM4-6-90*	6	90	60	45	30	C
NM4-6-100	6	100	75	50	37	C
NM4-6-120	6	120	90	60	45	E
NM4-6-200	6	200	150	100	75	E
NM4-12-36	12	36	27	18	13	B
NM4-12-42*	12	42	31	21	15	B
NM4-12-60	12	60	45	30	22	C
NM4-12- 90*	12	90	60	45	30	C,D
NM4-12-120	12	120	90	60	45	C,D
NM4-12-130*	12	130	97	65	48	C,D
NM4-12-140	12	140	105	70	52	C,D
NM4-12-160	12	160	120	80	60	D
NM4-12-180	12	180	135	90	67	E
NM4-12-200*	12	200	150	100	75	E
NM4-12-360	12	360	270	180	135	E
NM4-24-100	24	100	75	50	37	E
NM4-24-200*	24	200	150	100	75	E
NM4-24-280	24	280	210	140	105	E
NM4-24-360	24	360	270	180	135	E

* Ni-Cd battery

NOTE: Cabinet size may change based on configurations.