

TYPE: _____
 CATALOG #: _____
 NOTES: _____



nexus NEMA-4X **ADVANCED AD**
DIAGNOSTICS



SPEC GRADE

INDUSTRIAL

Survive-All™ SV Series

NEMA-4X, NSF, Vandal-Resistant Housing
 Battery Unit

Features

- Equipped with a tool-less MR16 swivel lamp assembly to provide precise beam control. Choice of MR16 LED or halogen lamps of 6V and 12V
- Fully gasketed cast aluminum back plate with clear, UV resistant polycarbonate cover. Tamper-proof screws and bit are included. Available in black, white or gray
- Standard temperature 50°F to 104°F (10°C to 40°C).
- Available with sealed, maintenance-free Nickel-Cadmium (UL Listed for damp and wet locations), or Lead-Calcium batteries
- Standard 120/277VAC 0.3/0.15A input. Non-audible advanced diagnostic charger board, 15 minute Time Delay and lamp disconnect. Audible warning and Time Delay functions can be enabled or disabled during installation. Non-obtrusive, magnetic test switch. Micro-controller diagnostic system tests, detects and indicates battery, charger circuitry or MR16 lamp failures.
- Wall, strut or beam mounting. Not intended for ceiling mount
- UL Listed. Certified to meet UL924 standards, 90 minutes of emergency operation, NEMA-4X rated for high abuse areas, wet locations and cold weather (-40°F/-40°C) applications, NSF Certified for use in food processing plants
- 3-year full warranty, excluding lamps and fuses

Accessories (order as a separate item)

DESCRIPTION	PART NUMBER
Additional special bit for tamper-proof screws	690.0454-E
Universal bracket (for mounting on poles, I-beams or strut metal framing)	PMK-E

Applications

- | | |
|--|---|
| • Hosedown areas / car washes | • Transit platforms |
| • Food processing / preparation facilities | • Sports arenas / swimming pools |
| • Marine locations | • Security areas / prisons |
| • Chemical plants | • Warehouse and cold storage facilities |
| • Schools and other public facilities | • Heavy industrial facilities |
| • Parking garages | |
| • Food processing / preparation facilities | |

Note: Units installed outdoors must be in a shaded area (Lead-Calcium batteries)



Suggested Specification

Supply and install **Emergi-Lite®**, **Survive-All™ SV** Emergency Battery Unit, with electrically compatible fixtures or exit signs as indicated on the plans. The unit shall include a die-cast aluminum back plate and an equipment frame of industrial grade thermoplastic with a gasket around lenses and canopy, specifically designed for hostile environments. The front of the unit shall be protected with a clear cover constructed of heavy-duty vandalresistant, UV stabilized polycarbonate, fixed with tamper-proof screws. Emergency lights shall be fully adjustable and equipped with high efficiency MR16 lamps. The unit shall be NEMA 4X rated, NSF certified and designed specifically for high abuse areas, wet and damp locations, as well as cold weather applications (CW4 option). The equipment shall supply the rated load for a minimum of 90 minutes to 87-1/2% of the rated battery voltage. The unit shall be rated 120/277Vac, 60Hz, and be UL listed. The unit shall have an output of ____ V ____ W. The charger shall at first continuously recharge the battery, then when the battery is at full capacity, the charger will periodically pulse-charge the battery in stand-by mode. This pulse-plus charger promotes long battery life and reduces the potential for grid corrosions. Its charge voltage is factory set to +/-1% tolerance and temperature compensated.

The charger incorporates Lockout and Brownout Circuits, and Low Voltage Disconnection. It protects the unit from over-current, shortcircuit, and reverse polarity. The Emergi-Lite® Advanced Diagnostic Micro-controller board shall self-test for 1 minute every 30 days, 30 minutes on the 6th month and 90 minutes every 12 months. The unit shall be capable of full recharge in compliance with UL specifications. The unit shall be furnished with a magnetic test switch. A "Service Required" lamp shall be located near the test switch and flash when a fault is detected. A LED-based diagnostic display shall be located inside the equipment and shall identify the source of failure (battery, charger, circuitry, or lamps).

The unit shall be **Emergi-Lite®** model: _____.

Battery Warranty*

Entire unit (excluding lamps) carries a 3-year full warranty.

Battery Warranty*

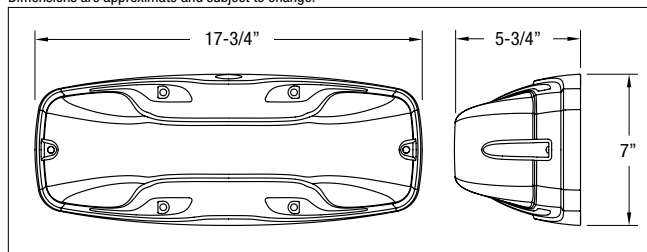
Lead-Calcium batteries carry a 3-year full warranty and 3-year pro-rata warranty.

Nickel-Cadmium batteries carry a 5-year full warranty and 5-year pro-rata warranty

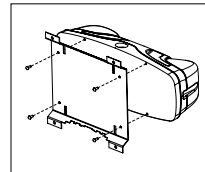
* Subject to proper installation and maintenance.

Dimensions

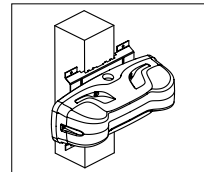
Dimensions are approximate and subject to change.



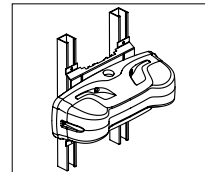
Universal Bracket



PMK KIT
(screws included)



BEAM MOUNTING



STRUT MOUNTING

Unit Rating

UNIT EQUIPMENT - WITH REMOTE CAPABILITY				
Sealed Maintenance-Free Battery Types	Watts to 87-1/2% of rated battery voltage*			
	1-1/2 hrs	2 hrs	3 hrs	4 hrs
Lead-Calcium	18	12	8	—
	24	16	12	8
	36	24	20	14
	54	36	27	20
Nickel-Cadmium	24	18	12	8
	40	27	20	14
Nickel-Metal Hydride	60	40	30	20

* National Electrical Code Specification.

How to Order

COLOR	SERIES	# OF LAMPS	LAMPS	DIAGNOSTICS	OPTIONS
B = Black G = Gray W = White	SV18M = 6V-18W Lead-Calcium 12SV24M = 12V-24W Lead-Calcium 12SV36M = 12V-36W Lead-Calcium 12SV54M = 12V-54W Lead-Calcium 12SV24N = 12V-24W Nickel-Cadmium* 12SV40N = 12V-40W Nickel-Cadmium* 12SV60H = 12V-60W NiMH*	-2= 2 Lamps	LA = 6V-4W, MR16 LED LG = 12V-4W, MR16 LED LI = 12V-5W, MR16 LED LJ = 12V-6W, MR16 LED MI = 6V-6W, MR16 MK = 12V-12W, MR16 MW = 12V-20W, MR16-IR	-DA = Advanced Diagnostics (audible)* -D = Advanced Diagnostics (non-audible)* -NEX = NEXUS® wired (consult your sales representative) -NEXRF = NEXUS® wireless (consult your sales representative)	Blank = No options CW4 = Cold weather -40°F to 104°F (-40°C to +40°C)*
	*= Suitable for Damp-Locations 50°F to 104°F (10°C to 40°C)			* Minimum lamp load: 20% of unit capacity	* Only available with 12SV24M, 12SV36M & 12SV24N Not available with NEX and NEXRF option

Example: **B12SV36M-2LG-DCW4**