

PATLITE® Signal Devices

56mm Audible-Visual and Industrial Signal Beacon Multicolor NE-A Series

Overview

The NE-A series of multicolor beacons features up to 7 selectable LED colors (Red, Amber, Green, Blue, White, Cyan, and Purple). These beacons feature simultaneous use of continuous or flashing conditions.

Features

- Capacitive touch sensor enables real-time status confirmations available on 1 unit
- Features simultaneous use of continuous, flashing, and audible alarm conditions
- Up to 7 selectable LED colors (Red, Amber, Green, Blue, White, Cyan, and Purple)
- High protection rating for operation in harsh environments

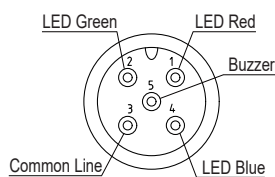


56mm Audible-Visual and Industrial Signal Beacon Multicolor NE-A Series Selection Chart											
Part Number	Price	Type	Bulb Type	Light Function	Light Colors	Voltage	Tone Type	Tone Frequency	Touch To Silence	Drawing Link	Connection
<u>NE-M1ANB-M</u>	\$92.00	Audible-visual signal beacon	Integrated LED	Continuous or flashing (500ms)	Red/Amber/ Green/ Blue/White/ Cyan/ Purple	12–24 VDC	Continuous/ intermittent 88db at 1m	2.5 kHz	No	<u>PDF</u>	2m [6.56 ft] cable with pigtail
<u>NE-M1ACNB-M</u>	\$108.00			Continuous		12–24 VDC					5-pin M12 connector *
<u>NE-M1ANN-M</u>	\$71.00	Industrial signal beacon	LED	Continuous or flashing (500ms)		12–24 VDC	N/A	N/A	N/A	<u>PDF</u>	2m [6.56 ft] cable with pigtail
<u>NE-M1ACNN-M</u>	\$85.00			Continuous		12–24 VDC					5-pin M12 connector *
<u>NE-M1ATB-M</u>	\$118.00	Audible-visual signal beacon	Integrated LED	Continuous		12–24 VDC	Continuous/ intermittent 88db at 1m	2.5 kHz	Yes	<u>PDF</u>	2m [6.56 ft] cable with pigtail

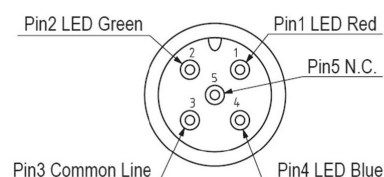
* Requires a 5-pin female M12 cable, sold separately.

M12 5-pin Connector

NE-M1ACNB-M



NE-M1ACNN-M



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56mm Audible-Visual and Industrial Signal Beacon Multicolor NE-A Series

Specifications

56mm Audible-Visual and Industrial Signal Beacon Multicolor - NE-A Series Specifications							
Model			NE-M1ANB-M	NE-M1ACNB-M	NE-M1ANN-M	NE-M1ACNN-M	NE-M1ATB-M
Rated Voltage			12–24 VDC				
Operating Voltage Range			10–30 VDC				
Rated Current Consumption	Typical	12VDC	80mA	55mA		80mA	
		24VDC	65mA	45mA		65mA	
	Max	12VDC	95mA	65mA		95mA	
		24VDC	70mA	50mA		70mA	
Rated Power Consumption	Typical	12VDC	1.0 W	0.7 W		1.0 W	
		24VDC	1.6 W	1.1 W		1.6 W	
	Max	12VDC	1.2 W	0.8 W		1.2W	
		24VDC	1.8 W	1.2 W		1.8 W	
Standby Current			Less than 20mA				
Inrush Current			Less than 0.4 A / 2msec				
Temperature Range	Operating	-25 to 60°C [-13 to 140°F]					
	Storage	-40 to 75°C [-40 to 167°F]					
Humidity Range	Operating	Less than 90% (no condensation)					
	Storage						
Mounting			Indoor, any direction				
Insulation Resistance			More than 5MΩ at 500VDC between live part and non-current carrying metallic part				
Withstand Voltage			1 min at 500VAC between charging parts and non-charging metal parts				
Wire Size			24AWG	–	24AWG	–	24AWG
Protection Rating			IP65, NEMA Type 4X,13		IP67, NEMA Type 4X,13	IP67/IP69K	IP65, NEMA Type 4X,13
Weight g [oz]			170 [5.99]	100 [3.52]	150 [5.29]	90 [3.17]	170 [5.99]
Housing Material			Polycarbonate				
Agency Approval			UL 508, UR File: E215660, CSA-C22.2 No. 15				

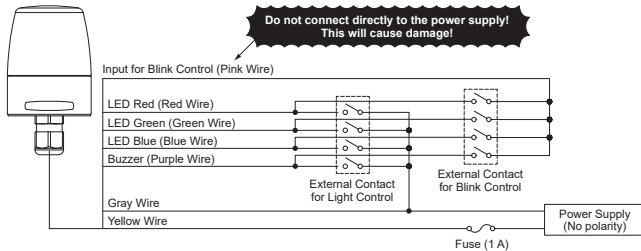
To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.

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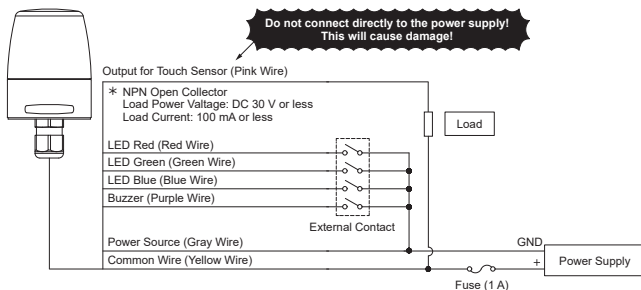
56mm Audible-Visual and Industrial Signal Beacon Multicolor NE-A Series

Wiring Diagrams

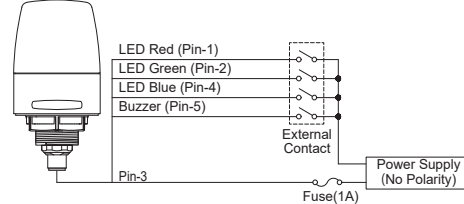
NE-M1ANN-M, NE-M1ANB-M



NE-M1ATB-M



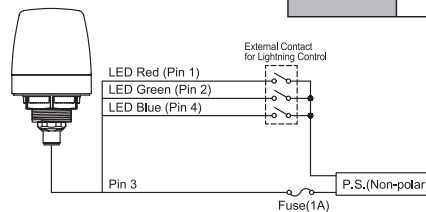
NE-M1ACNB-M



LED Color	Red	Green	Blue	Yellow	Cyan	Purple	White
Pin No.	1	2	4	1 + 2	2 + 4	1 + 4	1 + 2 + 4

< NOTE > Be sure to insulate all unconnected lead wires one by one. Otherwise, electric shock or short circuit may occur.

NE-M1ACNN-M



LED Color	Red	Green	Blue	Yellow	Cyan	Purple	White
M12 Connector Pin No.	①	②	④	① + ②	② + ④	① + ④	① + ② + ④

Fuse	
Fuse Rating	250V 1A

External Contact Capacity	
Current Capacity	Is ≥ 50mA
Voltage Capacity	Vs ≥ 35V
Leakage Current	IL ≤ 0.1mA

LED Color	Red	Green	Blue	Yellow	Cyan	Purple	White
Wiring	Red	Green	Blue	Red + Green	Blue + Green	Red + Blue	Red + Green + Blue

< NOTE > No need to connect the buzzer (purple wire) for NE-M1ANN-M. When the blink control is not necessary for NE-M1ANN-M/NE-M1ANB-M, no need to connect the blink control (pink wire). Be sure to insulate all unconnected lead wires one by one. Otherwise, electric shock or short circuit may occur.

[Fuse]

Fuse Rating	250 V 1 A
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[External Contact Capacity]

Current Capacity	Is ≥ 50 mA
Voltage Capacity	Vs ≥ 35 V
Leakage Current	IL ≤ 0.1 mA

* Inrush current: 15 A / 0.1 ms
* Signal response time: 50 ms

PATLITE® Signal Devices

56mm Visual-Audible and Industrial Signal Beacon Accessories NE-A and NE-IL Series

56mm Beacon Accessories NE-A and NE-IL Series				
Part Number	Price	Description	Weight g [oz]	Drawing Link
<u>NE-002D</u>	\$12.00	Patlite mounting bracket, wall mount, 56mm diameter, 82mm height, dark gray, polycarbonate. For use with Patlite NE-A and NE-IL series beacons.	34 [1.19]	<u>PDF</u>
<u>NE-001D</u>	\$18.50	Patlite tube adapter, tube mount, 56mm diameter, black, polycarbonate. For use with Patlite NE-A and NE-IL series beacons.	31 [1.09]	<u>PDF</u>
<u>SZP-092D</u>	\$6.50	Patlite tube adapter, tube mount, 1/2in NPT thread type, 56mm diameter, black, polycarbonate. For use with Patlite NE-A and NE-IL series beacons.	23 [0.81]	<u>PDF</u>
<u>GA0000119-F1</u>	\$10.00	Patlite O-ring, silicone. For use with Patlite NE-A and NE-IL series beacons.	45.35 [1.5]	N/A
<u>POLE-100A21</u>	\$25.50	Patlite mounting pole, 22mm diameter, 100mm length, silver, aluminum. For use with Patlite NE-A and NE-IL series beacons.	29 [1.02]	<u>PDF</u>
<u>POLE-300A21</u>	\$28.50	Patlite mounting pole, 22mm diameter, 300mm length, silver, aluminum. For use with Patlite NE-A and NE-IL series beacons.	86 [3.03]	<u>PDF</u>
<u>POLE-800A21</u>	\$35.50	Patlite mounting pole, 22mm diameter, 800mm length, silver, aluminum. For use with Patlite NE-A and NE-IL series beacons.	228 [8.04]	<u>PDF</u>
<u>SZ-010</u>	\$25.50	Patlite mounting bracket, flange mount, 100mm diameter, 65mm height, silver, aluminum. For use with Patlite NE-A and NE-IL series beacons.	122 [4.30]	<u>PDF</u>
<u>SZ-016A</u>	\$28.50	Patlite mounting bracket, flange mount, 68mm diameter, 45mm height, silver, aluminum. For use with Patlite NE-A and NE-IL series beacons.	96 [3.38]	<u>PDF</u>

[NE-002D](#)[NE-001D](#)[SZP-092D](#)[GA0000119-F1](#)[POLE-100A21](#)[SZ-010](#)[SZ-016A](#)