

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



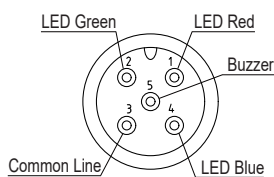
56mm Audible-Visual and Industrial Signal Beacon Multicolor NE-A Series Selection Chart

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>	\$89.00	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>	\$105.00			Continuous		12–24 VDC			No	<u>PDF</u>	5-pin M12 connector *
<u>NE-M1ANN-M</u>	\$69.00	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>	\$82.50			Continuous		12–24 VDC				<u>PDF</u>	5-pin M12 connector *
<u>NE-M1ATB-M</u>	\$115.00	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

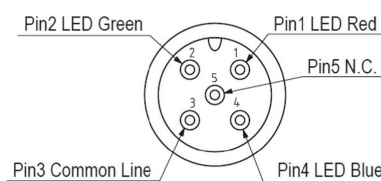
* Requires a 5-pin female M12 cable, sold separately.

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				

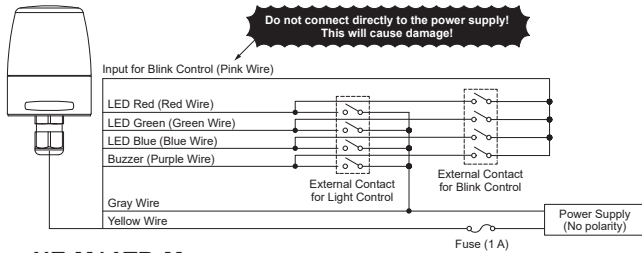
To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.

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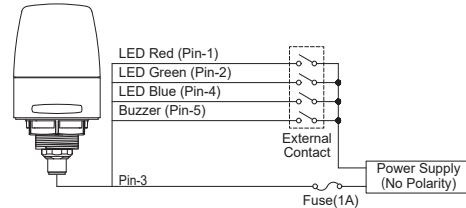
56mm Audible-Visual and Industrial Signal Beacon Multicolor NE-A Series

Wiring Diagrams

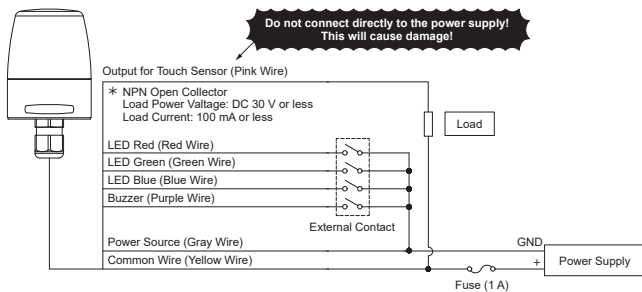
NE-M1ANN-M, NE-M1ANB-M



NE-M1ACNB-M



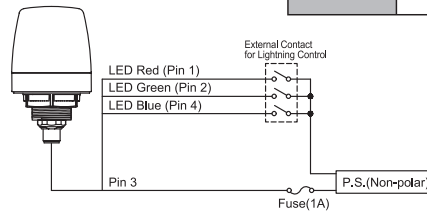
NE-M1ATB-M



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

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

[Fuse]

Fuse Rating	250V 1A
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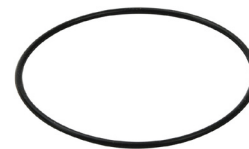
[External Contact Capacity]

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

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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>	\$18.00	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>	\$25.00	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>	\$28.00	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>	\$35.00	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>	\$25.00	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>	\$28.00	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](#)