

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



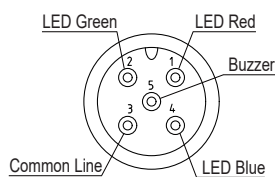
56mm Audible-Visual and Industrial Signal Beacon Multicolor NE-A Series Selection Chart

| 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 |

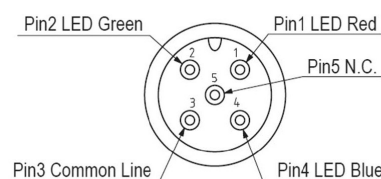
* Requires a 5-pin female M12 cable, sold separately.

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 | | | | |

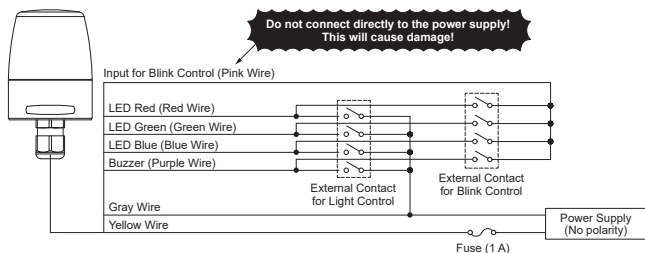
To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.

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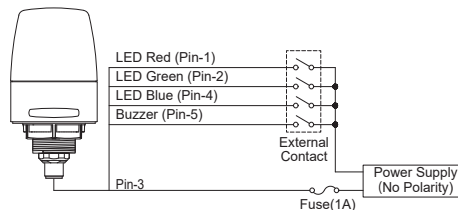
56mm Audible-Visual and Industrial Signal Beacon Multicolor NE-A Series

Wiring Diagrams

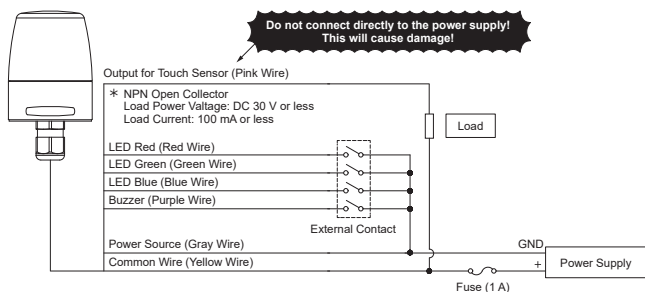
NE-M1ANN-M, NE-M1ANB-M



NE-M1ACNB-M



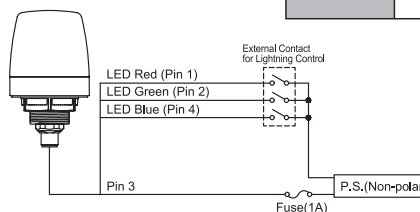
NE-M1ATB-M



| 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 |
|-------------|-----------|

[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 | 250V1A |
|-------------|--------|

[External Contact Capacity]

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

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 |
| NE-002D | \$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] | PDF |
| NE-001D | \$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] | PDF |
| SZP-092D | \$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] | PDF |
| GA0000119-F1 | \$10.00 | Patlite O-ring, silicone. For use with Patlite NE-A and NE-IL series beacons. | 45.35 [1.5] | N/A |
| POLE-100A21 | \$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] | PDF |
| POLE-300A21 | \$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] | PDF |
| POLE-800A21 | \$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] | PDF |
| SZ-010 | \$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] | PDF |
| SZ-016A | \$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] | PDF |



[NE-002D](#)



[NE-001D](#)



[SZP-092D](#)



[GA0000119-F1](#)



[POLE-100A21](#)



[SZ-010](#)



[SZ-016A](#)