

# 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

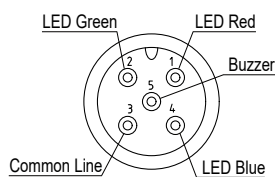


| 56mm Audible-Visual and Industrial Signal Beacon Multicolor NE-A Series Selection Chart |          |                              |                |                                |                                                        |           |                                           |    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

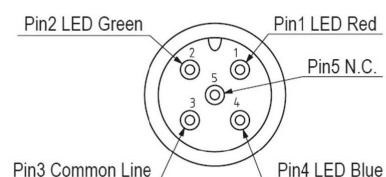
\* Requires a 5-pin female M12 cable, sold separately.

### 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,<br>NEMA Type 4X,13                                                         |             | IP67,<br>NEMA Type 4X,13 | IP67/IP69K  | IP65,<br>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                                       |             |                          |             |                          |

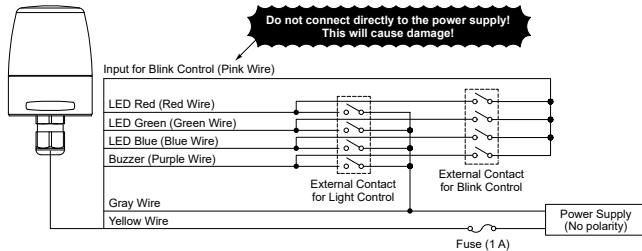
To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.

# PATLITE® Signal Devices

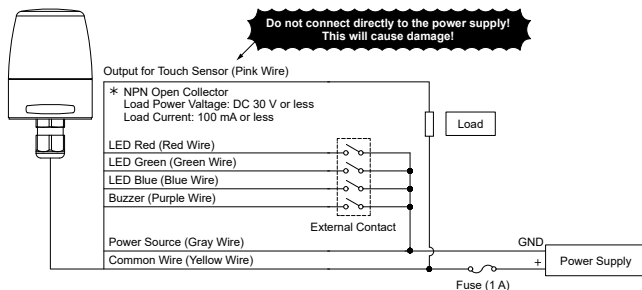
## 56mm Audible-Visual and Industrial Signal Beacon Multicolor NE-A Series

### Wiring Diagrams

#### NE-M1ANN-M, NE-M1ANB-M



#### NE-M1ATB-M



| LED Color | Red | Green | Blue | Yellow      | Cyan         | Purple     | White                |
|-----------|-----|-------|------|-------------|--------------|------------|----------------------|
| Wiring    | Red | Green | Blue | Red + Green | Blue + Green | Red + Blue | White + 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 ]

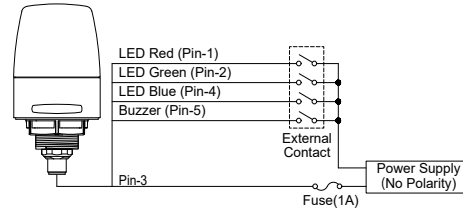
| Fuse Rating | 250 V 1 A |
|-------------|-----------|
|-------------|-----------|

#### [ 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

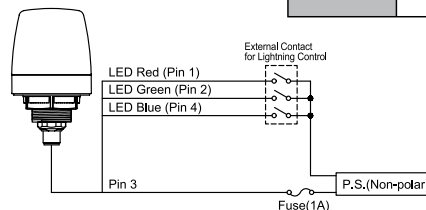
#### NE-M1ACNB-M



| 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 | 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<br>g [oz] | Drawing<br>Link            |
| <a href="#"><u>NE-002D</u></a>                | \$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<br>[1.19]     | <a href="#"><u>PDF</u></a> |
| <a href="#"><u>NE-001D</u></a>                | \$18.50 | Patlite tube adapter, tube mount, 56mm diameter, black, polycarbonate. For use with Patlite NE-A and NE-IL series beacons.                        | 31<br>[1.09]     | <a href="#"><u>PDF</u></a> |
| <a href="#"><u>SZP-092D</u></a>               | \$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<br>[0.81]     | <a href="#"><u>PDF</u></a> |
| <a href="#"><u>GA0000119-F1</u></a>           | \$10.00 | Patlite O-ring, silicone. For use with Patlite NE-A and NE-IL series beacons.                                                                     | 45.35<br>[1.5]   | N/A                        |
| <a href="#"><u>POLE-100A21</u></a>            | \$25.50 | Patlite mounting pole, 22mm diameter, 100mm length, silver, aluminum. For use with Patlite NE-A and NE-IL series beacons.                         | 29<br>[1.02]     | <a href="#"><u>PDF</u></a> |
| <a href="#"><u>POLE-300A21</u></a>            | \$28.50 | Patlite mounting pole, 22mm diameter, 300mm length, silver, aluminum. For use with Patlite NE-A and NE-IL series beacons.                         | 86<br>[3.03]     | <a href="#"><u>PDF</u></a> |
| <a href="#"><u>POLE-800A21</u></a>            | \$35.50 | Patlite mounting pole, 22mm diameter, 800mm length, silver, aluminum. For use with Patlite NE-A and NE-IL series beacons.                         | 228<br>[8.04]    | <a href="#"><u>PDF</u></a> |
| <a href="#"><u>SZ-010</u></a>                 | \$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<br>[4.30]    | <a href="#"><u>PDF</u></a> |
| <a href="#"><u>SZ-016A</u></a>                | \$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<br>[3.38]     | <a href="#"><u>PDF</u></a> |

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