

# PATLITE® Signal Devices

## 56mm Audible-Visual and Industrial Signal Beacon Multicolor IO-Link NE-IL Series

### Overview

The NE-IL series is designed with a multicolored LED that can display up to 7 selectable LED colors (Red, Amber, Green, Blue, White, Cyan, and Purple), enabling users to color-code different statuses and equipment conditions. Two parts offer touch to acknowledge. The NE-IL series beacons are compatible with IO-Link v1.1.

### Features

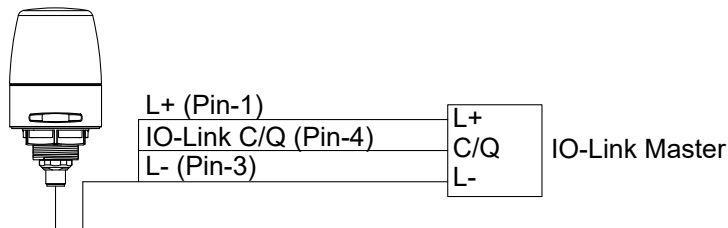
- Capacitive touch sensor enables real-time status confirmations
- Features simultaneous use of continuous, flashing, and audible alarm conditions
- Toggle between 4 patterns (Red, Blue, White, or off) while in touch sensor mode
- High protection rating for operation in harsh environments
- M12 connector available for quick and easy wiring
- IO-Link v1.1



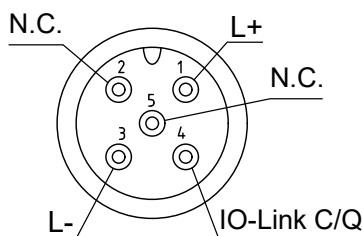
| 56mm Audible-Visual and Industrial Signal Beacon Multicolor IO-Link NE-IL Series Selection Chart |          |                              |                |                                                            |                                                    |         |                              |                |                      |                            |                                |
|--------------------------------------------------------------------------------------------------|----------|------------------------------|----------------|------------------------------------------------------------|----------------------------------------------------|---------|------------------------------|----------------|----------------------|----------------------------|--------------------------------|
| Part Number                                                                                      | Price    | Type                         | Bulb Type      | Light Function                                             | Light Colors                                       | Voltage | Tone Type                    | Tone Frequency | Touch To Acknowledge | Drawing Link               | Connection*                    |
| <a href="#"><u>NE-ILNB-M</u></a>                                                                 | \$123.00 | Audible-visual signal beacon | Integrated LED | Selectable permanent, flashing, double flash, triple flash | Red/Amber/<br>Green/Blue/<br>White/Cyan/<br>Purple | 24VDC   | (8) selectable<br>88db at 1m | 2.5 kHz        | No                   | <a href="#"><u>PDF</u></a> | 5-pin M12 connector<br>A-coded |
| <a href="#"><u>NE-ILNN-M</u></a>                                                                 | \$102.00 | Industrial signal beacon     | LED            |                                                            |                                                    | 24VDC   | —                            | —              | No                   | <a href="#"><u>PDF</u></a> |                                |
| <a href="#"><u>NE-ILTB-M</u></a>                                                                 | \$151.00 | Audible-visual signal beacon | Integrated LED |                                                            |                                                    | 24VDC   | (8) selectable<br>88db at 1m | 2.5 kHz        | Yes                  | <a href="#"><u>PDF</u></a> |                                |
| <a href="#"><u>NE-ILTN-M</u></a>                                                                 | \$140.00 | Industrial signal beacon     | LED            |                                                            |                                                    | 24VDC   | —                            | —              | Yes                  | <a href="#"><u>PDF</u></a> |                                |

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

### Wiring Diagram



### M12 5-pin Connector



# PATLITE® Signal Devices

## 56mm Audible-Visual and Industrial Signal Beacon Multicolor IO-Link NE-IL Series

### Specifications

| 56mm Audible-Visual and Industrial Signal Beacon Multicolor IO-Link NE-IL Series Specifications |           |                                                                                  |           |            |           |
|-------------------------------------------------------------------------------------------------|-----------|----------------------------------------------------------------------------------|-----------|------------|-----------|
| Model                                                                                           |           | NE-ILNB-M                                                                        | NE-ILNN-M | NE-ILTB-M  | NE-ILTN-M |
| Rated Voltage                                                                                   |           | 24VDC                                                                            |           |            |           |
| Operating Voltage Range                                                                         |           | 18–30 VDC                                                                        |           |            |           |
| Rated Current Consumption                                                                       | Typical   | 80mA                                                                             | 40mA      | 80mA       | 40mA      |
|                                                                                                 | Max       | 100mA                                                                            | 50mA      | 100mA      | 50mA      |
| Rated Power Consumption                                                                         | Typical   | 2.0 W                                                                            | 1.0 W     | 2.0 W      | 1.0 W     |
|                                                                                                 | Max       | 2.4 W                                                                            | 1.2 W     | 2.4 W      | 1.2 W     |
| Inrush Current                                                                                  |           | 10A / 0.2 msec                                                                   |           |            |           |
| 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, vertical                                                                 |           |            |           |
| 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              |           |            |           |
| Protection Rating                                                                               |           | IP65,<br>NEMA TYPE 4X, 13                                                        |           |            |           |
| Weight g [oz]                                                                                   |           | 100 [3.52]                                                                       | 90 [3.17] | 100 [3.52] | 90 [3.17] |
| Housing Material                                                                                |           | Polycarbonate                                                                    |           |            |           |
| Agency Approval                                                                                 |           | UL 508, UR File: E215660, CSA-C22.2 No. 14                                       |           |            |           |

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

| IO-Link Specifications |                  |
|------------------------|------------------|
| IO-Link                | v1.1             |
| Port Speed             | COM2 (38.4 kpbs) |
| SIO Supported          | Yes              |
| ISDU Supported         | Yes              |
| Data Storage           | Yes              |
| Block Parameter        | Yes              |

# **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](#)