### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>NE-ILNB-M</th>
<th>NE-ILTB-M</th>
<th>NE-ILXB-M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>Φ56mm</td>
<td>Φ60mm</td>
<td>Φ60mm</td>
</tr>
<tr>
<td>Rated Voltage</td>
<td>24V DC</td>
<td>24V DC</td>
<td>24V DC</td>
</tr>
<tr>
<td>Mounting Location / Mounting Direction</td>
<td>Indoors, Upright</td>
<td>Indoors, Upright</td>
<td>Indoors, Upright</td>
</tr>
<tr>
<td>Protection Rating</td>
<td>IP65, NEMA TYPE 4 X, 13</td>
<td>IP65, NEMA TYPE 4 X, 13</td>
<td>IP65, NEMA TYPE 4 X, 13</td>
</tr>
<tr>
<td>LED Color</td>
<td>Multi-color (Red, Amber, Green, Blue, White, Purple, Cyan)</td>
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</tr>
<tr>
<td>LED Unit Modes</td>
<td>Continuous / Flashing</td>
<td>Continuous / Flashing</td>
<td>Continuous / Flashing</td>
</tr>
<tr>
<td>Sound Pressure</td>
<td>Typ. 88 dB</td>
<td>Typ. 84 dB (Use LR6-BW)</td>
<td>Typ. 84 dB (Use LR6-BW)</td>
</tr>
<tr>
<td>Buzzer Sound Pressure</td>
<td>4 sound types (Selectble) (Use LR6-BW)</td>
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</tr>
</tbody>
</table>

### IO-Link Signal Beacons NE-IL

#### How to Order

**NE-IL□□B-M**
- Touch Sensor
  - X: With touch sensor and digital / analog input
  - T: With touch sensor
  - N: No touch sensor
- LED Color
  - M: Multi-color
- Buzzer
  - B: With Buzzer

**LR6-3IL□□□NW-RYG**
- LED Unit Color
  - R: Red
  - G: Green
  - B: Blue
- Tier
  - 3: 3 tiers
- Extended Function
  - @: T, T, T

**LR6-IL□□□□**
- Body Color
  - W: Off-White
- Buzzer
  - B: With Buzzer
- Mounting and Wiring
  - M12 connector 5 pins
  - M12 connector 8 pins

**NE-ILTB-M**
- With buzzer and touch sensor

**NE-ILXB-M**
- With buzzer, touch sensor, and digital / analog input

### IO-Link Signal Tower LR6-IL

#### How to Order

**LR6-3IL□□□NW-RYG**
- Pre-assembled Model (Direct mount)

**LR6-IL□□□NW**
- Body Unit (Direct mount)

**LR6-ILWCNW**
- Body Unit (1/2” NPT pipe or direct mount)

### Conformity Standards

- EMC Directive (EN 61000-6-4, EN 61000-6-2)
- RoHS Directive (EN 50581)
- UL 508, CSA-C22.2 No. 14
- FCC Part 15 Subpart B Class A
- KC (KN 61000-6-4, KN 61000-6-2)
IO-Link is an open-standard protocol that enables bi-directional data communication between devices and the master. Incorporate PATLITE signal devices into IO-Link to facilitate and enhance manufacturing processes.

**Solution 01**
**Automotive Production Line**
Call for parts and notify managers of issues.

**Solution 02**
**Food and Beverage Production Line**
Acquire real-time equipment status and collect operational metrics.

**Solution 03**
**Various Industrial Equipment**
Reduce wiring costs and device setup time.

**Solution 04**
**Devices Not Compatible with IO-Link**
Enables integration of non-compatible devices into IO-Link.

Alarm commands
Real-time sensor metrics
Real-time sensor metrics
Analog input sensor (4 to 20 mA)
Digital input sensor

10:05 a.m. Threshold exceeded
Alarm commands
Status indications
When an issue arises, the personnel at the production site touches the NE-IL to activate the visual and audible alarms of the NE-IL at the manager’s site. The manager instantly notices the alarms, and determines where and what the issue is according to the illuminated color. The manager can touch the NE-IL to send notification back to the production site to indicate that help is on the way.

Anticipate issues and enhance predictive maintenance

The IO-Link master acquires real-time operational data of the sensors and other devices that are connected. This data can be monitored remotely, and collected for further analysis. When device abnormalities such as water or dust obstruction is detected, the IO-Link master sends commands to the LR6-IL Signal Tower to activate its visual and audible alarms to indicate the specific problem. Identify device issues before it happens to avoid equipment malfunctions and halts in production.

Call for parts or request assistance with a single touch

The NE-IL Signal Beacons and LR6-IL Signal Towers can be connected to IO-Link with a single M12 cable. This minimizes wiring requirements, which reduces labor and costs. In addition, IO-Link allows for easy replacement of old or damaged devices, as it automatically imports previous settings to the new device.

Achieve timely responses to issues

Devices Not Compatible with IO-Link

With 7 colors achievable on the NE-IL signal beacon, it is possible to color-code multiple statuses. The master sends commands to activate a specific NE-IL beacon to indicate which device / equipment requires maintenance. Once maintenance is complete, touch the NE-IL to confirm back to the master.
Signal Beacons NE-IL

Features
- 2-way communication (commands from the master and indications via touch sensor)
- Buzzer can be sounded in combination with continuous/flashing light and touch sensor
- Digital/analog input to connect devices that are not compatible with IO-Link (XB model only)

Durable and Versatile
- Touch sensor is able to detect bare or gloved hands - even when wet
- High protection rating for operation in harsh environments (IP65)
- Compatible with M12 connector for easy connection

Other Application Examples
- Pick-to-light
- Status indications at production cells
- Real-time equipment status monitoring

Options
- Upper Bracket NE-0010
- Wall Mount Bracket NE-0020
- 1/2" NPT Bracket S2P-092D

Signal Tower LR6-IL

Features
- Pre-assembled model
- Body unit (Direct mount)
- Body unit (1/2" NPT pipe or direct mount)
- M12 connector for easy connection
- Select from a variety of LED colors and buzzer sounds

Compatible Units
- Solid Color LR6-E-R/Y/G/B/C
- Clear Globe LR6-E-Z2/Y2/Z2/Z2
- Multi-Color LR6-E-MZ
- Wireless Data Acquisition System Transmitter WDT-6LR-Z2

Options
- Wall Mount Bracket S2K-092W
- Pole Bracket S2-015A
- Pole POLE-100A21
- Upper Bracket SZ-010

Cost-effective, retrofit solution for select PATLITE Signal Towers enabling wireless data acquisition and real-time monitoring.

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