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
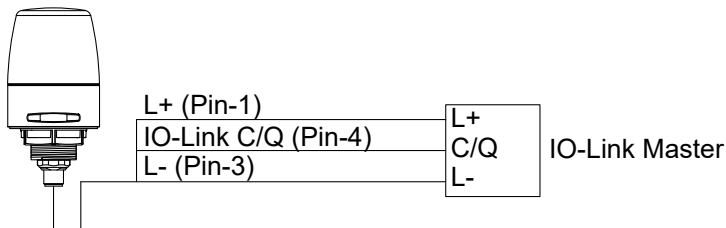
Features

• 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
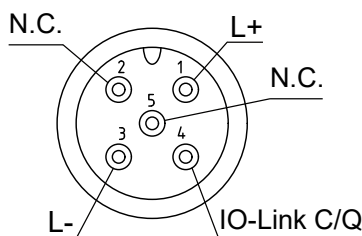• IO-Link v1.1

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*
NE-ILNB-M	$;05,nh:	Audible-visual signal beacon	Integrated LED	Selectable permanent, flashing, double flash, triple flash	Red/Amber/ Green/Blue/ White/Cyan/ Purple	24VDC	(8) selectable 88db at 1m	2.5 kHz	No	PDF	5-pin M12 connector A-coded
NE-ILNN-M	$;-05,nl:	Industrial signal beacon	LED			24VDC	—	—	No	PDF	
NE-ILTB-M	$;-05,ni:	Audible-visual signal beacon	Integrated LED			24VDC	(8) selectable 88db at 1m	2.5 kHz	Yes	PDF	
NE-ILTN-M	$;05,nn:	Industrial signal beacon	LED			24VDC	—	—	Yes	PDF	

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

Wiring Diagram

L+ (Pin-1)
IO-Link C/Q (Pin-4)
L- (Pin-3)

L+
C/Q
L-

IO-Link Master

M12 5-pin Connector

N.C.
L+
N.C.
L-
IO-Link C/Q

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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, 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

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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
NE-002D	$;5,n8:	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	$;5,nu:	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	$;5,nv:	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	$;5,n9:	Patlite O-ring, silicone. For use with Patlite NE-A and NE-IL series beacons.	45.35 [1.5]	N/A
POLE-100A21	$;5,na:	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	$;5,nb:	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	$;5,nc:	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	$;5,nd:	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	$;5,n7:	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**