

LA6-POE

Network

Signal Tower

Signal Light

Revolving Warming Light

Cube Tower

Audibles

Hybrid Signaling Devices

LED Illumination

Options



LA6-5DTNWB-POE (direct mount type)

LA6-5DSNWB-POE (stationary type)



* Direct Mount only

- Programmable, multi-color signal towers designed to replace standard stack lights
- Features 21 LED colors and 11 alarm types, all in a single part number
- Ethernet connection with PoE (Power over Ethernet) support, enabling single cable installations

What is PoE (Power over Ethernet)?

System that passes electric power along with data on twisted pair Ethernet cabling. This allows a single cable to provide both power and data to devices.

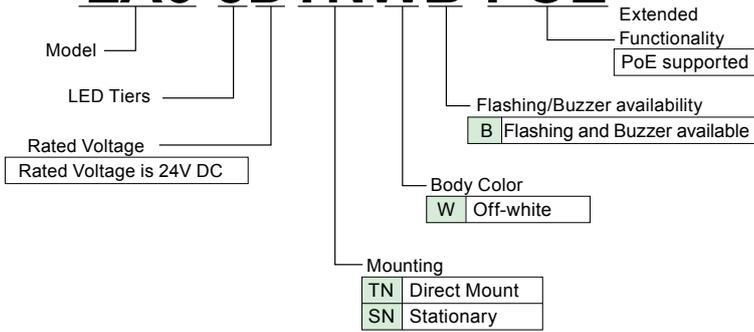


Specifications

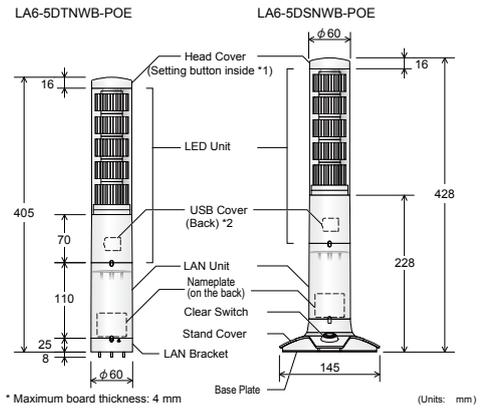
Model	LA6-5DTNWB-POE (direct mount type)	LA6-5DSNWB-POE (stationary type)
Rated Voltage	24V DC	
Power over Ethernet (PoE)	48V DC	
Operating Voltage Range	24V DC ±10%	
Power over Ethernet (PoE)	36 to 57V DC	
Rated Current Consumption	Standard	0.30A (at 24V DC) 0.18A (PoE: at 48V DC)
	Maximum	0.49A (at 26.4V DC) 0.26A (PoE: at 48V DC)
Rated Power Consumption	Standard	7.2W (at 24V DC) 8.6W (PoE: at 48V DC)
	Maximum	12.9W (at 26.4V DC) 12.5W (PoE: at 48V DC)
Signal Wire Current	420mA / 70mA (at 26.4V DC) 10mA (PoE: at 48V DC)	
Ambient Operating Temperature	-10 °C to +50 °C	
Ambient Operating Humidity	90% RH or less, freezing, no condensation	
Storage Ambient Temperature	-10 °C to +50 °C	
Storage Ambient Humidity	90% RH or less, freezing, no condensation	
Mounting location	Indoors	
Mounting direction	Upright	
Protection Rating	IP54 (IEC 60529)	IP20 (IEC 60529)
Environmental Conditions	Mounted in upright position	
Vibration Resistance	10 m/s ² (JIS C 60068-2-6)	None
Environmental Conditions	Mounted in upright position	
Mass (Tolerance: ±10%)	630g	780g
Signal Light functions	According to LA6, 5 tier, flashing, buzzer type	
Power Supply / Contact Input	Screwless Terminal Block (12 contacts)	
	Wire: 0.2 to 1.5 mm ² (solid wire), AWG24 to 16 (stranded wire)	
LAN	Power Supply: 2 contacts (24V DC) Contact Input (external relay/NPN/PNP): 8 contacts	
	Flashing/Pulse enable common line: 1 contact, COM: 1 contact	
PoE	RJ-45 connector	
Communication method	IEEE802.3af Class 0	
Physical Layer	Ethernet (IEEE802.3)	
Data Link Layer	10BASE-T/100BASE-TX (Auto-MDI/MDIX)	
Network Layer	CSMA/CD	
Transport Layer	IP • ARP • ICMP	
Application Layer	TCP/UDP	
USB	HTTP • DHCP • Modbus/TCP • Socket (PHN • PNS command)	
Operation Unit	Setting button (in the head cover)	Setting button (in the head cover) Clear Switch
Indicator Light	None	1 (Green): Integrated in the Clear Switch *Always on when power is on
Various Settings	Change via Web Setup Tool	
Operation Method	Signal Wire Control/Command Control	
Supported LAN Cable	Category 5e or higher (compatible with both straight-cable and cross-cables)	
Conformity standards	RoHS Directive (EN 50581)	
	EMC Directive (EN61000-6-4, EN61000-6-2, EN55032 Class A, EN55024)	
	FCC Part15 Subpart B Class A	
	KC (KN 61000-6-4, KN 61000-6-2)	
	UL 508, CSA-22.2 No.14, Recognized Component (File No.E215660) ※Only for DC24V type	
References	UL 60950-1, CAN/CSA C22.2 No. UL60950-1-07 Recognized Component (File No.E480103)	
	Conforms to CE Marking	

Model Code

LA6-5DTNWB-POE

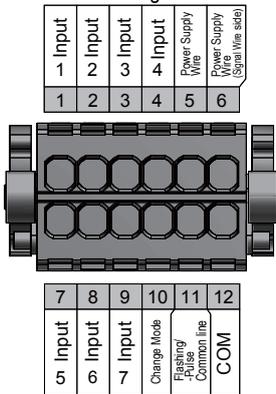


Dimensions (mm)

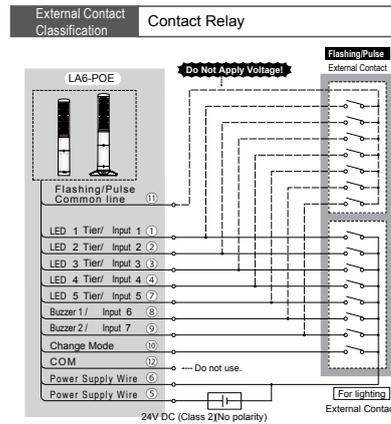


Wiring Diagram

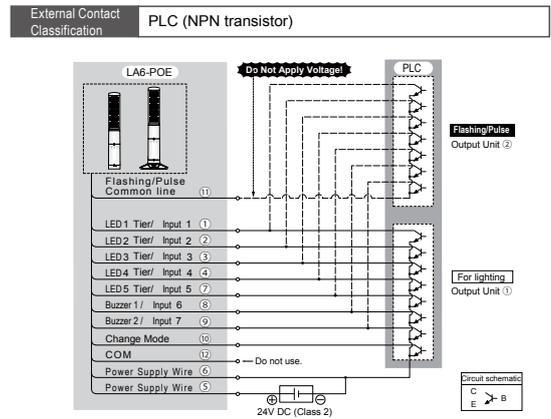
Terminal Block Connector Pin Arrangement



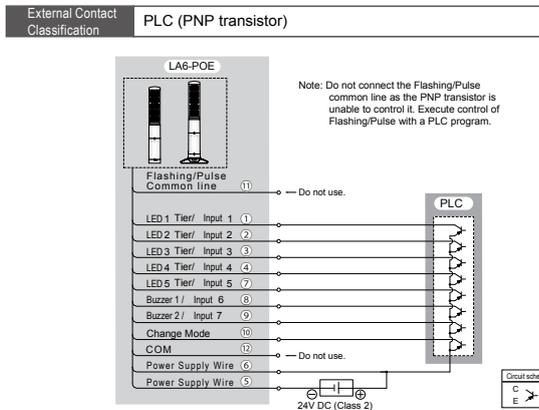
24V DC model



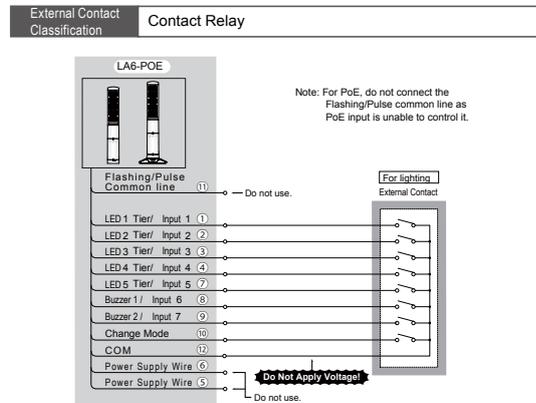
24V DC model



24V DC model



PoE Input Specifications



Optional Parts



Stationary installation bracket (magnetic installation)
Model: SZW-060W
Supported type:
LA6-5DTNWB-POE
LA6-5AWJWB-RYGBC



Wallmount Bracket (embedded wiring type)
Model: SZK-003W
Direct Mounting



Wallmount Bracket NH-WST2 Stationary Type



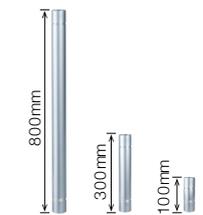
Pole Bracket SZP-004W



Circular Bracket mounting Pole SZ-016A



Circular Bracket mounting Pole SZ-010



POLE-100 / 300 / 800A21

Communication Commands

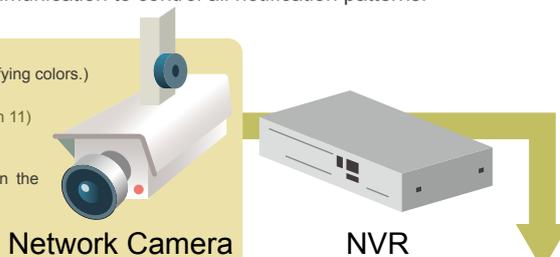
Control with HTTP Commands You can send commands via HTTP communication to control all notification patterns.

Detailed Motion Control

(You can control tier 1 to 5 of LED unit specifying colors.)
 Execute command
 (Tier 1: Green, Tier 2: Blue, Tier 3: Off, Tier 4: White, Tier 5: Red, Flashing off, Buzzer: Pattern 11)
<http://192.168.10.1/api/control?color=46091&buzzer=11>

Smart Control Command

(you can control the smart mode set up in the editing software.)
 Execute command (Run smart mode group No.10)
<http://192.168.10.1/api/control?smart=10>



SOCKET Communication

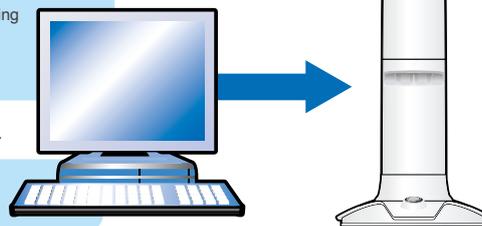
PNS Commands supported By using PNS commands, you can control all notification patterns.

Detailed Motion Control

(You can control tier 1 to 5 of LED unit specifying colors.)
 Execute command
 (Tier 1: Green, Tier 2: Blue, Tier 3: Off, Tier 4: White, Tier 5: Red, Flashing off, Buzzer: Pattern 11)
 41H, 42H, 44H, 00H, 00H, 07H, 04H, 06H, 00H, 09H, 01H, 00H, 0BH

Smart Mode Control Command

(you can control the smart mode set up in the editing software.)
 Execute command (Run smart mode group No.10)
 41H, 42H, 54H, 00H, 00H, 01H, 0AH



PHN compatible commands supported Control with 2-byte commands is available.

Execute command
 (Tier 1: Lighting, Tier 2: Flashing, Tier 3: Off, and Buzzer: Pattern 2)
 57H, 51H

* You can control lighting, flashing, and 2 types of buzzer sound patterns on tiers 1 to 3.

Modbus/TCP

You can control the signal light by sending Modbus/TCP commands, such as from a PLC.

Smart control command

(you can control the smart mode set up in the editing software.)
 Execute command
 (When operating the Signal Tower in Smart Mode group number 15.)
 00H, 00H, 00H, 00H, 00H, 06H, 01H, 06H, 00H, 06H, 01H, 0FH

