

Programmable LED Signal Tower Series with PoE

LA6-POE 60mm Smart Signal Towers

- 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.



Product Features

- Supports a range of communication protocols
- Built-in web interface for quick and easy configuration
- Mirroring function: Replicates signals on up to 8 slave devices in remote locations



Connects easily to an existing network



Alarm volume toggle switch



Water resistant alarm structure



Unique lens design for optimizing light emission

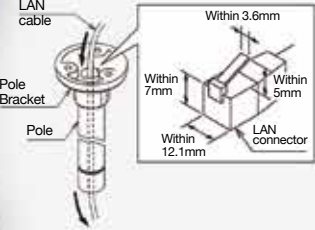
Options



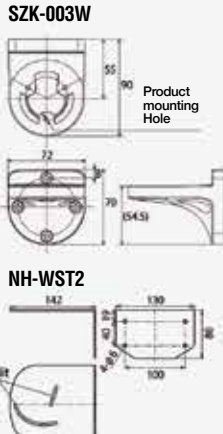
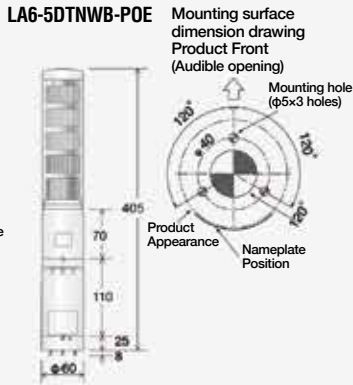
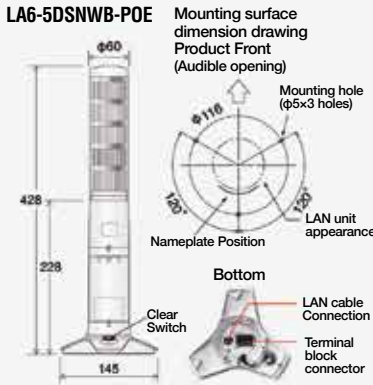
Assembly Type / Pole Mount Bracket



Wire Assembly



Dimensions



TERMINAL BLOCK CONNECTOR PIN POSITION

POWER LINE (Signal line side)	6	12	COM
POWER LINE	5	11	FLASHING / PULSE ENABEL COMMON
POWER LINE	4	10	MODE CHANGE
INPUT 3	3	9	INPUT 7
INPUT 2	2	8	INPUT 6
INPUT 1	1	7	INPUT 5

RECOMMENDED SPECIFICATION FOR LEAD WIRE

Wire Type	UL1007 / UL1430
Wire Diameter (Solid wire)	0.2 - 1.5mm ²
Wire Diameter (Stranded wire)	AWG24 - 16

Please use wire with temperature rating at 75°C or above that has a copper wire conductor.

Step 01

Select a Smart Mode Type

The EDITOR for LA Series software allows you to quickly configure your LA6 Signal Tower. Each smart mode uses different methods to trigger Animations* and Patterns* allowing you to customize unique indication solutions.

- ***Animations:** Light color cycling resembling flashing, pulsing, running lights, etc.; can also include an audible alarm.
- ***Patterns:** Any combination of solid colors and/or audible alarm.

1. Time Trigger Mode

Display animations that transition at preset timings. Animations are triggered initially by an input or command and run based on set timings.

Common Applications:
Production Cycle Time,
Takt Time System, Running Light



2. Pulse Trigger Mode

Display animations or patterns in fixed sequences. Sequences are triggered by inputs, commands or setting elapsed timings.

Common Applications:
Pressure or Temperature Display



3. Single Light Mode

Display a single pattern at a time and trigger pattern transitions by input or command.

Common Applications:
Status Indication, Level Monitoring



Step 02

Select method(s) for triggering LA6 alert functions

The LA6-POE supports a variety of communications protocols and can be triggered through the terminal block.

HTTP (Hypertext Transfer Protocol)

HTTP is an application-layer protocol designed within the framework of the Internet protocol suite.

The LA6-POE accepts HTTP commands sent through a web browser or PLC to trigger visual and audible alert functions.



Terminal Block



Network Camera



NVR

SOCKET Communication

Socket(s) allows communication between PCs and is used in a client-server application framework.

The LA6-POE accepts an application-level protocol called PNS (developed by PATLITE) to establish connection between client and server and to control visual and audible alert functions.



PC

Modbus TCP/UDP

Modbus TCP/UDP is a variant of the Modbus family of vendor-neutral communication protocols intended for control of automation devices.

The LA6-POE accepts Modbus TCP/UDP commands from a PLC to control visual and audible alert functions.



PLC



Real-time remote monitoring and control