PATLITE®

New Frontiers in Safety, Security and Comfort.

Signal Tower
LA6 Series

Sleek Design. Fully Customizable.
Endless Possiblities.

Cycle Time

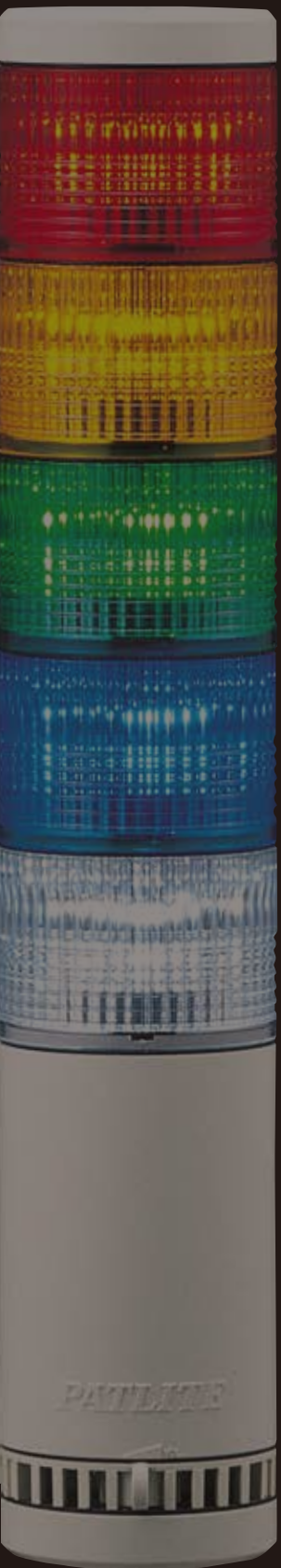**Level Meter** Monitoring

Status Condition

NETWORK

LA6-POE
Remote Monitoring
(for Power over Ethernet)

LA6-POE
Ethernet PoE
(Power over Ethernet)
for single cable installation

www.patlite.com

A SIGNAL TOWER DESIGNED TO SHOW MORE SO YOU CAN DO MORE

COMMON ON-SITE OCCURRENCES

OUR PROCESSES HAVE CHANGED.

We now need to reconfigure the color modules on our Signal Towers.

OUR MACHINE LINE IS EXPERIENCING TOO MANY STOPPAGES.

We need to make our workers better aware of machine status, so they can take quicker corrective measures.

WE ARE EXPERIENCING DOWN TIME DUE TO MATERIAL MANAGEMENT.

We need earlier notifications prior to materials completely depleting to avoid delays.

PRODUCTION STOPPAGES ARE OCCURRING AS A RESULT OF UNEVEN WORKFLOW.

Variations in work output is creating bottlenecks that can be smoothed out with a Takt system.

WE NEED TO IMPLEMENT REMOTE MONITORING TO MINIMIZE OUR LABOR COSTS.

We need to monitor the operating status of equipment with long processing time, as well as abnormal stoppages or delays as they occur.

LA6 SOLUTION

Color Change

The LA6 doesn't require any hardware or wiring changes to reconfigure colors. The LA6 can be easily programmed anywhere without tools.

Cycle Time

The LA6 is able to create better, more dynamic visual signals to elicit a quicker response by workers.

Level Meter Monitoring

The LA6 can be programmed to act as a visual level meter to help manage materials and material levels.

Status Condition

The LA6 has an internal timer function, allowing you to create visual timers for a streamlined Takt system.

Remote Monitoring

The LA6 is able to send information to other LA6 devices in remote locations via its mirroring function.

ADVANCED OPTIONS TO SOLVE ANY APPLICATION

Color Change

### IMPROVE VISIBILITY WITHOUT RECONFIGURING HARDWARE

By programming the LA6 to a single, all-tier color arrangement, the equipment status can now be seen at a greater distance, improving awareness and response time.

■ **Display up to21 different colors for different equipment statuses**

| Operational	Attention	Emergency
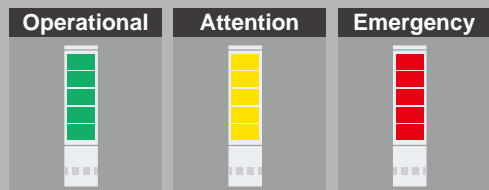
Status Condition

INCREASE EFFICIENCY WITH MORE DYNAMIC VISUAL WARNINGS

Breakdown
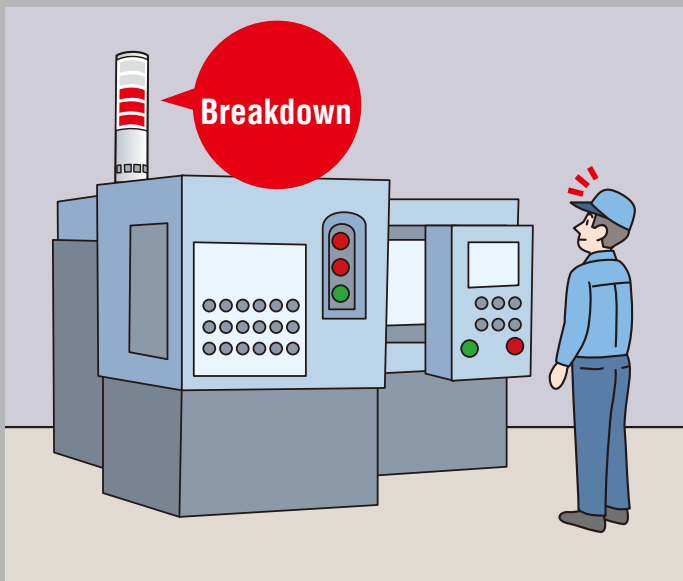
The LA6 is able to display more detailed information, such as the status severity level, or speciÿc abnormality conditions, that workers normally would have to look for on an equipment panel or HMI.

■ **Display the level of status severity**

Minor Error	Breakdown	Emergency
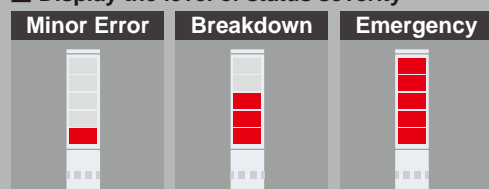
Level Meter Monitoring

REDUCE DOWNTIME WITH LEVEL MONITORING
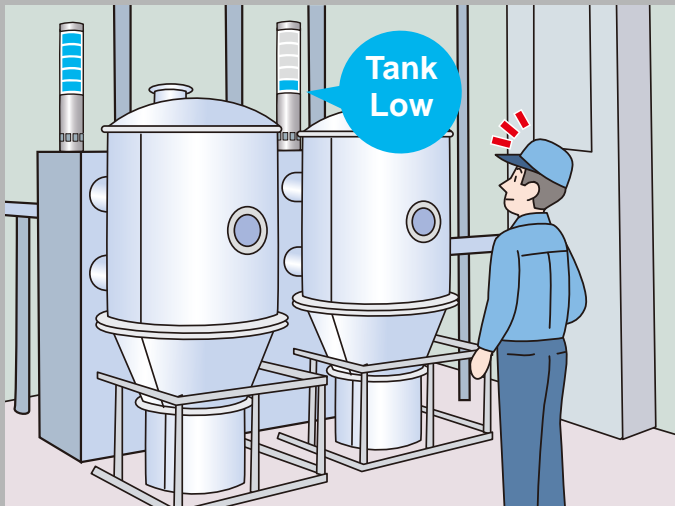
By displaying current material levels, workers can more accurately respond to changes, reducing downtime. As material levels reach certain thresholds, the LA6 can provide earlier visual and audible notiÿcations.

■ Display Remaining tank levels in stages

Tank Full	Midpoint	Tank Low
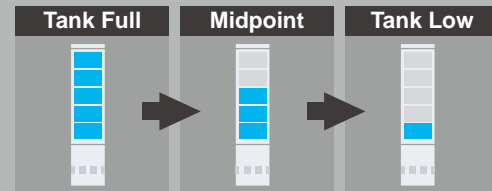
Remote Monitoring

WIRING MADE EASY WITH LAN CONNECTIVITY

Ethernet PoE

Socket Transmission

PC

Modbus/TCP

PLC
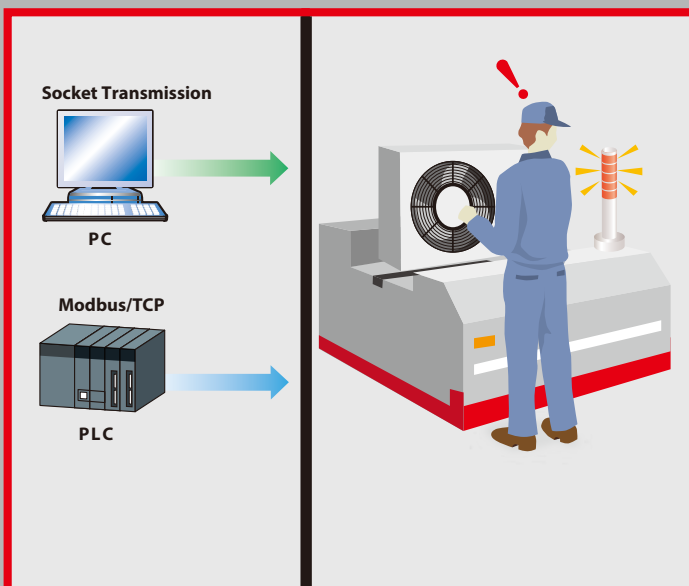
The LA6 conveniently integrates into your facilities' existing LAN infrastructure. By connecting to a PoE (Power over Internet) compliant HUB, the LA6 can be controlled and powered through a single cable.
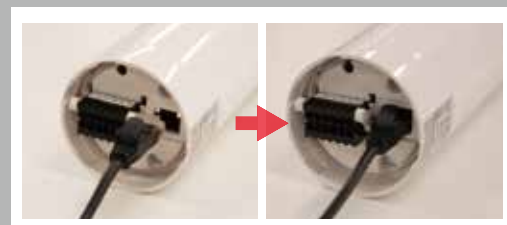
REDUCE BOTTLENECKS WITH A VISUAL TAKT SYSTEM

Cycle Time

PROBLEM

Idle time or delays on the production assembly line is sometimes caused by variations in the rate of worker output.

IMPLEMENTATION MERIT

With the LA6 visual Takt system, workers will be more aware of the progress of the entire line, minimizing delays, and resulting in a smoother work flow.
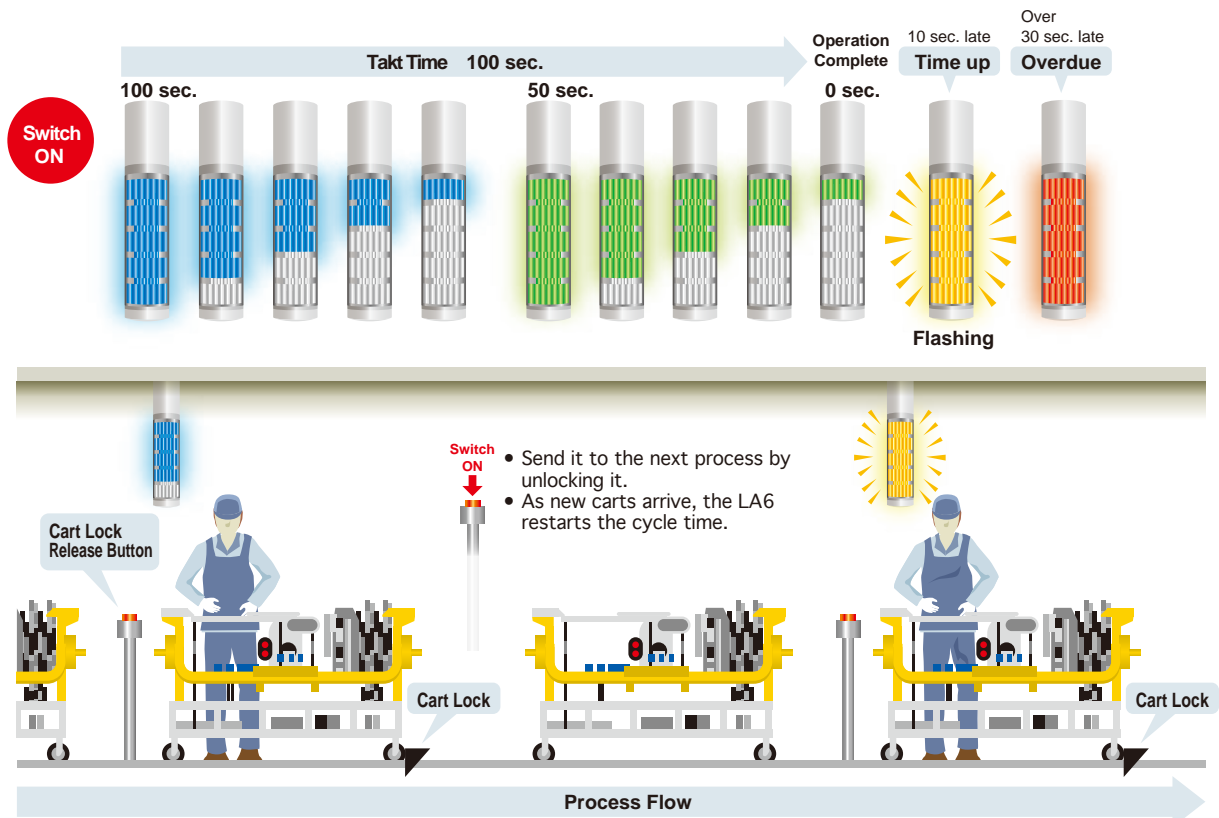
Balance the assembly line with a Takt system

Cycle Time

PROBLEM

Due to high volumes of products to inspect, some defective products may be overlooked and pass inspection.

IMPLEMENTATION MERIT

With the LA6 internal timer function, inspectors are allotted proper time for each inspection, resulting in an improved yield rate by accurately detecting inferior goods.
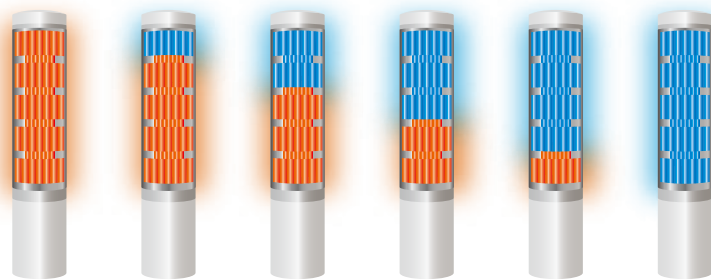
Start — Counting by the minute → Finish

Inspection Time = 5 minutes

Inspection

Sensors detect inspectors as they enter the process line, triggering the LA6 to begin the count and the inspectors carry out inspection until the LA6 turns all blue.

Prevent defective product outflow during inspection

OBTAIN EQUIPMENT INFORMATION FROM REMOTE LOCATIONS

NETWORK
Remote Monitoring

PROBLEM

Tanks located in remote buildings tend to be overlooked until the tanks are completely depleted.

IMPLEMENTATION MERIT

The LA6 can be used as an economical level meter system, capable of alerting remote personnel of equipment changes in real-time.

Outdoor Building 1 (Unmanned)

Interface Converter

LAN

Control Box (PLC)

Analog output for every liquid level sensor threshold.

Liquid Sensors

Outdoor Pump

Administration Building

Internet

屋外タンクで Building 1 needs attention!

Visual representation of gradually changing tank fluid levels.

Buzzer   Buzzer   Buzzer
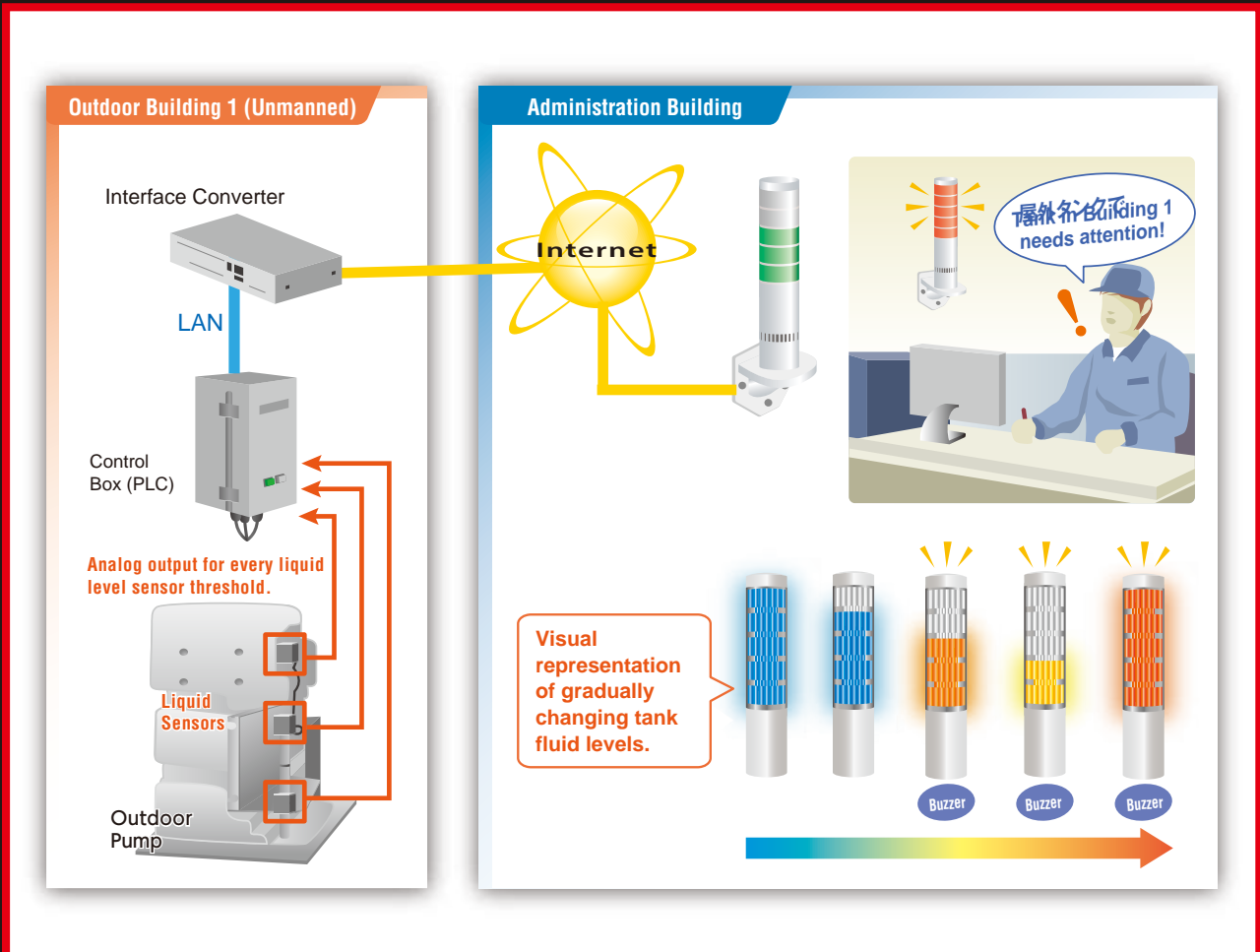
Quicker response with remote monitoring

**Remote
Monitoring**

**Ethernet
PoE**

PROBLEM

Managers in remote offices need to monitor machinery statuses on the factory floor in real-time.

IMPLEMENTATION MERIT

With the LA6-POE's built-in mirroring function, equipment status, Takt time, etc., can be communicated to other LA6-POE devices in remote locations via a LAN connection. This data can also be sent to a third-party software through the LAN connection for data analysis or Andon monitoring.

Factory

Administration Building

LAN

Command

Up to 8 remote Locations

Contact Input

1. The signal is sent from the LA6-POE, located on the equipment to indicate the status.

2. LA6-POE devices located in remote offices mirror, or reflect the status of the LA6-POE in the factory.
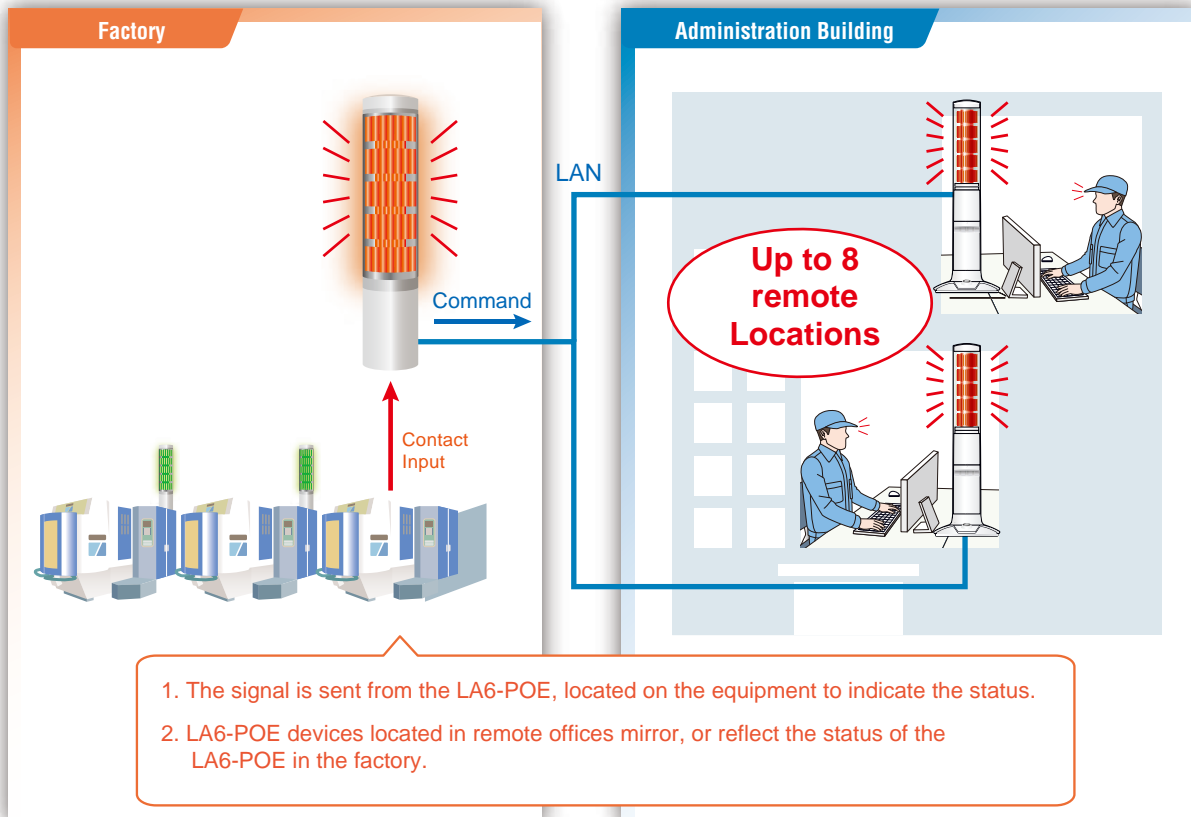
See equipment status from multiple locations

LA6 SIGNAL TOWER

Multi-function Switch for various setups

BUZZER SOUND SETUP
The built-in switch has four selectable settings for "Loud" (about 85dB) -> "Middle" (about 80dB) -> "Low" (about 75dB) -> "O˜ ".

COLOR SETUP
The built-in switch can also allow a manual selection of 9 colors to be set for each tier.

A new lens design optimizes visibility.

The newly developed lens design e°cien tly di˜uses LED ligh t so that it is unmistakably visible, even from great distances.

Sound

Diffusion & Water Resistance
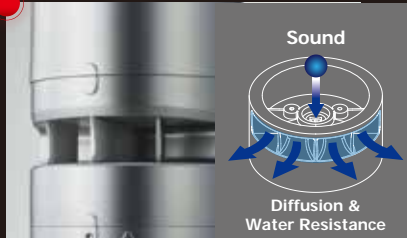
The alarm has a total of 11 sounds to match various applications.

A newly developed compact loudspeaker not only can transmit a clear sound of 85 dB (at 1m), but also has added water resistance. A di˜ erent alarm sound can be set up with each display pattern when in the Smart mode. (Only three of the 11 alarm patterns are selectable in the Signal Tower mode)

Use the free editing software to freely change the LA6 colors and patterns.

Upload colors and patterns to the signal tower via a USB cable.*
* The USB cable is sold separately (USB microB type with Charging/ Data Transfer capability).

Detachable Terminal Block

Has eight inputs available for connecting a PLC, or discrete I/O. Data through these inputs can be transferred to a server over the Ethernet. DC power can also be wired if a Poe supporting LAN is not available.

Ethernet
PoE

Conveniently connects to an existing network with PoE support.

PoE (Power over Ethernet) is a technology which lets network cables carry electrical power. PoE can bring many advantages, such as reducing costs of installing electrical cabling, by connecting it with a HUB supporting PoE, or have the ¸e xibility of not having to be tethered to an electical outlet.

LA6 24V DC / 3 and 5 Tier Types

LA6 100 - 240V AC 5 Tier Types

The LA6 alarm features a total of 11 sounds to match various applications.

Voltage: 24V DC
Direct Mount/Terminal (TN)
Steel Pole with L-bracket/Cable (LJ)

Voltage: 100-240V AC
Direct Mount/Cable (LJ)

24V DC	100 - 240V AC
85dB (at 1m)	Buzzer 11 Sound

IP65® | Φ60 | RoHS

※ Alarm Type: IP54

Oˉ -white
Flashing/Buzzer

Silver
Lighting

Steel Pole Type (L J)

Oˉ -white
Flashing/Buzzer

LA6-POE Direct Mount / Stationary type

NEW

PoE	85dB (at 1m)	Buzzer 11 Sounds	Ethernet	Modbus /TCP	EASY WEB Setup
24V DC	48V DC (PoE)	HTTP	INPUTS	IP54® Φ60	RoHS

※ Direct Mount Type

PNS Command

By using a PNS Command, the LED unit colors for tiers 1-5 can be controlled.

HTTP Command

Access and control all LA6-POE functions remotely in various network environments with this flexible protocol.

Modbus / TCP

PC   PLC

Direct
Mount type

Stationary Type
with "Clear" switch

3rd Party Software: LA6-POE can send machine status data over Ethernet to centralized software for remote Andon monitoring or data analysis.

LA6 / LA6-POE Optional Parts

For LA6/LA6-POE   **For LA6**   **For LA6-POE**

☐ Stationary Bracket:
SZK-003W
Direct Mount type

☐ Mounting Pole
with L-Bracket:
SZ-70L

☐ Circular Bracket:
SZ-010

☐ Circular Bracket:
SZ-016A

☐ Stationary Bracket:
(Magnetic Mount)
Model: SZW-060W
Direct Mount type

☐ Wall Mount Bracket:
Model: NH-WST2
Stationary type

Simple program software!
Download and easily set up
PATLITE's exclusive editing software.

■ Easy Setup

File Edit Communication Language Help

General Setting Signal Tower Mode Setting Smart Mode Setting

Time Trigger Mode

PATLITE

Group No. ②
1

New Group Copy Group Paste

③

Group Setting
Brightness
Time Span
● 0.1 second
○ 1.0 second
Stop Pattern
Use special pattern
Light Repeat Setting
Repeat
Preview on the Product
Playback
Stop

Pattern Editor
Tone Generator
Color Palette   Cycle speed
● slow ○ fast   Generate

Color Palette ①
Color Setting :
Enable

Preview
Pattern No.
< 3 >

Buzzer No
0

Playback Skip
Stop Pause
Clear Input Stop Input
Preview Setting
Interval Follow The Setting

	No.1	No.2	No.3	Stop
Use	☑	☑	☑	☑
Light1				
Light2				
Light3				
Light4				
Light5				
Flash Rate	Lighting	Lighting	Lighting	Lighting
Hold Time	600	1800	3000	0
Buzzer	0:No Buzzer	0:No Buzzer	0:No Buzzer	0:No Buzz...

Data Transfer Speed
● Standard
○ Slow(For slow PCs)

Send to product
Receive from product

Model: ---   Version: ---

* The screen above is only an image (conditions may vary with setup parameters).

① Color Setup (Maximum of 21)

21 diﬀerent colors can be selected as part of a program.

② Signal Tower Setup Features

With a maximum of 15 groups*, 63 series of operations can be registered to perform an operation setup as one group.
* A single display type can register a maximum of 31 groups.

③ Operations (Maximum of 63)

Select the desired color, ﬂashing period and the active duration of the light and alarm* (maximum of 3,600 seconds, and 11 sounds).
* Limited to Time Trigger and Pulse Trigger modes

● Various Setups

○ Group setup (Detailed Settings)
 • Flash Reduction Setup
 • Time Span (0.1 sec./1.0 sec.)
 • Repetitive Lighting Setup

○ Sign pattern generation (9 colors)
 Generate colors as gradations or chaser lights.
 - Color select: Cycle Speed (Low/High)

○ Simulation
 Check the light pattern by previewing it before transmitting data into the unit.

○ System Transmit and Receive*
 Data can be written into the unit and also read from it, so that patterns can be easily copied into other units.
 * Data transfer is also possible when the main unit is OFF and the system's power source is the USB bus power.

http://www.patlite.com
patlite Search

Editing software and pre-set data patterns are downloadable for free from our website.

Smart Mode 21 Color

Elapsed Time / Countdown / Cycle Time

1. Time-trigger Type

Setups for the individual group operation can be executed.   Pattern change timing can be setup with the editing software.

Maximum pattern display	63 Patterns
Maximum group number	15 Groups

Setup timing in pattern changes with the editing software.

No.1	No.2	No.3
Contact Input	Automatic	Automatic
10 min. progress	30 min. progress	50 min. progress
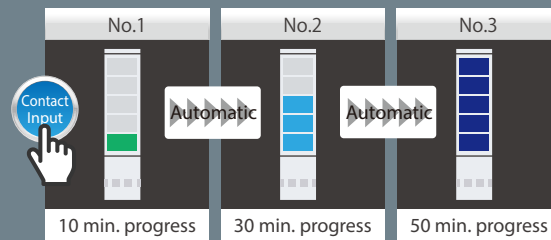
Determine thresholds for pressure / temperature, etc.

2. Pulse-trigger Type

Transitions from one pattern to another can be triggered by setting elapsed time or by individual discrete inputs.

Maximum pattern display	63 Patterns
Maximum group number	15 Groups

Pattern transition timing can be controlled by individual discrete inputs.

No.1	No.2	No.3
Contact Input	Contact Input	Contact Input
Level 1	Level 2	Level 3
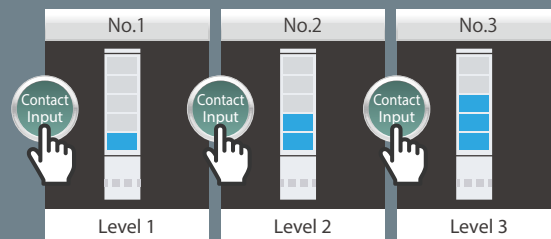
Error level / Request Priority / Status Display, etc.

3. Single-display Type

The product memory operates for the individual group functions.

Maximum pattern display	————
Maximum group number	31 Groups

Inputs 1-5, with ON/OFF signal combinations, is made to operate.

Group 1	Group 2	Group 3
Contact Input	Contact Input	Contact Input
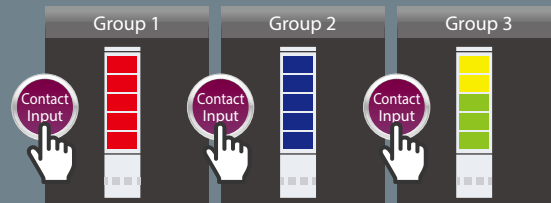
Signal Tower Mode 9 Color

Colors can be configured manually with the push button, without the need to edit the software.

1 Push the setup key for about 0.5 second after the power source is ON.

Ab. 0.5 sec.

2 All tiers begin flashing green.

Ab. 3 sec.

Continue pushing for about 3 seconds to start selecting the desired LED color.

3 Ab. 3 sec.

Continue pushing for about 3 seconds to enter the selected LED color.

START

Off → R → Y → G → B → W → V → P → LB → LY → Off

Ab. 0.5 sec.

At first, red is selected.

4 Repeat for all tiers

Finished!!
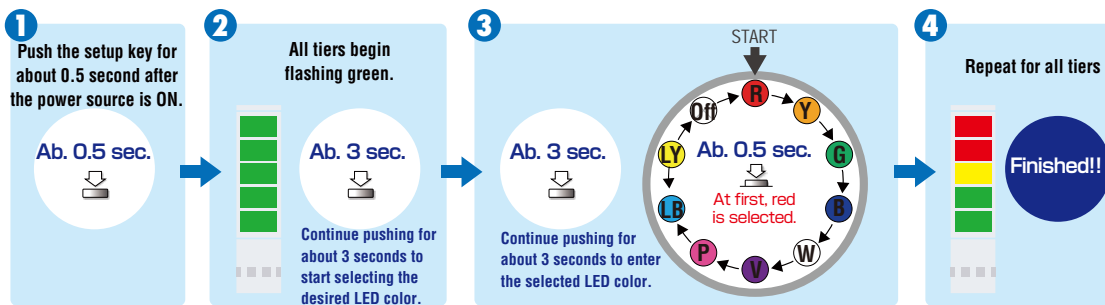
DIMENSIONS AND WIRING

■ Outer Dimensional Drawings

LA6

■ **TN** Direct mount/Terminal **D** 24V DC

■ **LJ** Steel Pole with L-bracket/Cable **D** 24V DC

■ **WJ** Direct mount/Cable **A** 100-240V AC

16

< Overall Height >
5 - B : 330
3 - B : 264
5 - N : 290
3 - N : 224

70
40
20
8.5
φ60

※1
※2

※1 Maximum Board thickness: 4 mm

※2 **TN** Underside View
Threaded hole for cable gland attachment
(M16×1.5 Effective screw length: 12mm)

Cable gland

<Note> The cable gland is not included with this product.

16

< Overall Height >
5 - B : 320
3 - B : 254
5 - N : 280
3 - N : 214

70
40
10
284 ~ 294   313.5
φ60

※3

※3 Maximum Board thickness: 16mm

Wire length: 1060
Wire type: UL2464/AWG24

16

< Overall Height >
5 - B : 390

70
110
10
8.5
φ60
※1

(φ8.5)

Wire length: 1360
Wire type (Power): UL2464/AWG18
Wire type (Signal): UL2464/AWG24

■ Mounting Dimensional Drawing

Front Direction
(Alarm Direction)   (Unit: mm)
Mounting Hole (φ5)
Outer Dimension
φ40
120°   120°
6 ~ 17
(10)
10
Mounting Hole (φ5)
Nameplate Location
(34.6)
Mounting Hole (φ5)
Wiring Hole (φ12※2)
(**TN** Type)
※2 Use φ23 for Cable Gland

■ **L** Dimensional Drawing for Steel Pole with L-bracket

Top View
φ22.5
φ5
20
60
81
32
5

Side View
4.5

Rear View
31
66
81
2-φ11

LA6-POE

Direct Mount

Stationary

φ60

Headcover
(Mode Switch inside →※1)

LED Unit

USB Cover (In Back) ※2

LAN Unit

Nameplate (Backside) "Clear" Switch

Stand Cover

LAN Bracket

Base Plate

16
405
70
110
25
8
φ60

16
428
228
145

LA6-5DTNWB-POE

LA6-5DSNWB-POE

■ Mounting Dimensional Drawing

Product Front (Buzzer Diaphram)
120°
φ40
120° 120°
Mounting Hole (φ5×3 places)
Product Outside Dimension
Nameplate Location
Distribution Hole (φ26)

Direct Mount

■ Mounting Dimensional Drawing

Product Front (Buzzer Diaphram)
φ116
120°
120° 120°
Mounting Hole (φ5×3 places)
LAN Unit Outer Dimensions
Nameplate Location

Stationary

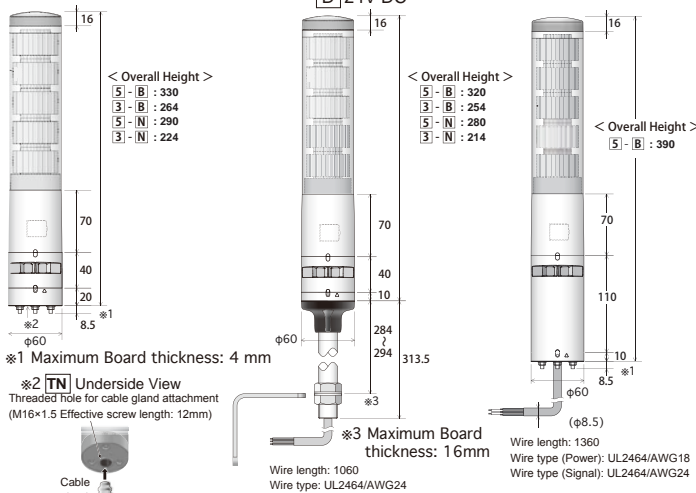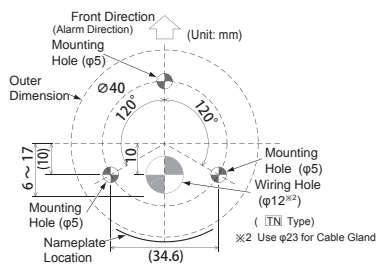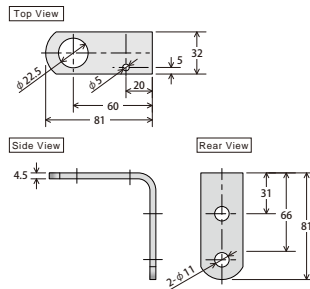## ■ Connector Inputs

LA6 (Terminal Type)

11	Purple	Mode Change
10	Black	Power Line (Signal-line Side)
9	Gray	Flashing/Pulse Enable Common
8	Yellow	Power Wire
7	Black	Alarm 2/Input 7
6	Gray	Alarm 1/Input 6
5	White	LED 5/Input 5
4	Blue	LED 4/Input 4
3	Green	LED 3/Input 3
2	Orange	LED 2/Input 2
1	Red	LED 1/Input 1

LA6-POE

Power Line (Signal-line Side)	6	12	COM
Power Wire	5	11	Flashing/Pulse Enable Common
Input 4	4	10	Mode Change
Input 3	3	9	Input 7
Input 2	2	8	Input 6
Input 1	1	7	Input 5

■ Smart Mode Inputs (for Mode Change)

		① Time-trigger Type	② Pulse-trigger Type	③ Single-display Type
Input1	Red			
Input2	Amber	Display Input	Display Input	Display Input
Input3	Green	(Binary Input Maximum 15)	(Binary Input Maximum 15)	(Binary Input Maximum 31)
Input4	Blue			
Input5	White	STOP	Trigger	
Input6	Purple	Mute	Mute	Mute
Input7	Sky Blue	Clear	Clear	Clear
Mode Change	Pink	At Input		

It can be used for the smart mode when a signal is applied to the mode change line.

※ For connector inputs, mode change is terminal 11 purple ; and terminal 10 for the PoE type.

24V DC Wiring (LA6/LA6-POE)　※ Be sure to check the wiring diagram of the PNP type transistor by visiting our website and viewing the comprehensive operation manual, etc.

External Contact Classiÿcation	Contact Relay

LA6

N No Flashing/Alarm　B Flashing/Alarm

Don't Apply Voltage

Flashing/Pulse Enable
Common Line **Brown** / ⑨ 11 ※

LED 1/ Input 1　**Red** / ① 1
LED 2/ Input 2　**Orange** / ② 2
LED 3/ Input 3　**Green** / ③ 3
LED 4/ Input 4　**Blue** / ④ 4
LED 5/ Input 5　**White** / ⑤ 7
Alarm 1/ Input 6　**Purple** / ⑥ 8
Alarm 2/ Input 7　**Sky Blue** / ⑦ 9 ※
Mode Change　**Pink** / ⑪ 10

Power Supply Wire　**Gray** / ⑩ 6
Power Supply Wire **Yellow** / ⑧ 5

Flashing / Pulse Enable
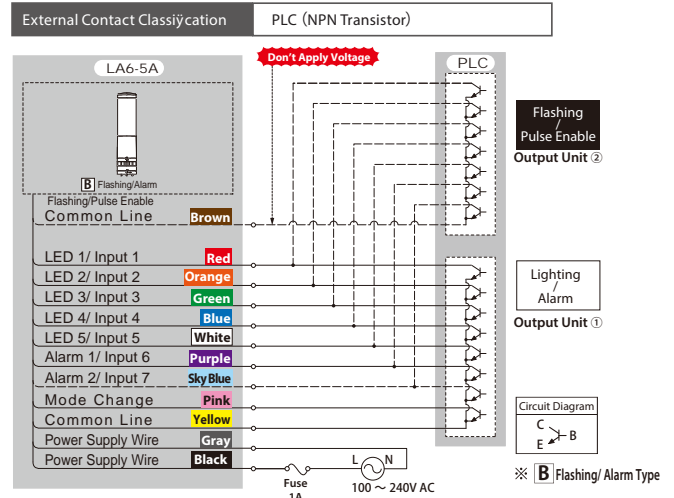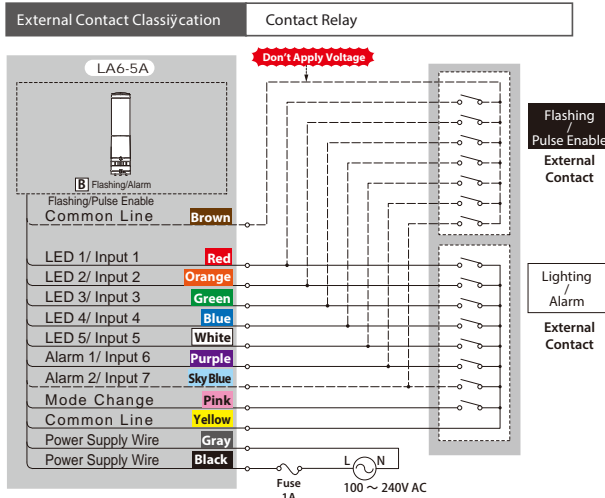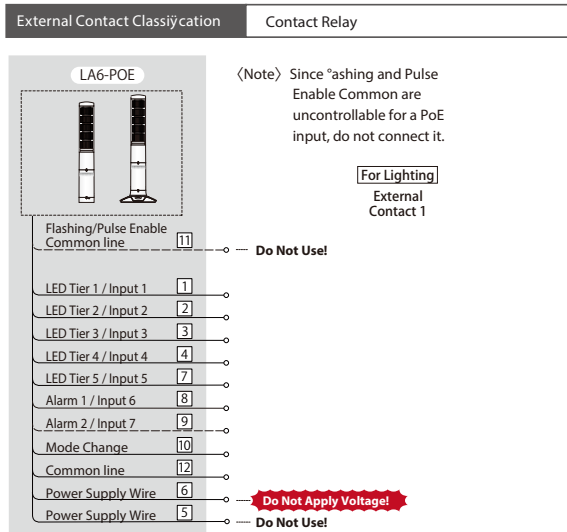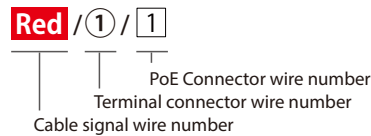External Contact

Lighting / Alarm
External Contact

24V DC (Class 2, Non-polar)

※ **B** Flashing/ Alarm Type

External Contact Classiÿcation	PLC（NPN Transistor）

LA6

N No Flashing/Alarm　B Flashing/Alarm

Don't Apply Voltage

PLC

Flashing/Pulse Enable
Common Line **Brown** / ⑨ 11 ※

LED 1/ Input 1　**Red** / ① 1
LED 2/ Input 2　**Orange** / ② 2
LED 3/ Input 3　**Green** / ③ 3
LED 4/ Input 4　**Blue** / ④ 4
LED 5/ Input 5　**White** / ⑤ 7
Alarm 1/ Input 6　**Purple** / ⑥ 8
Alarm 2/ Input 7　**Sky Blue** / ⑦ 9 ※
Mode Change　**Pink** / ⑪ 10

Power Supply Wire　**Gray** / ⑩ 6
Power Supply Wire **Yellow** / ⑧ 5

Flashing / Pulse Enable
Output Unit ②

Lighting / Alarm
Output Unit ①

24V DC (Class 2)

Circuit Diagram
C
E — B

※ **B** Flashing/ Alarm Type

100 - 240V AC Wiring (LA6)　※ Be sure to visiting our website and viewing the comprehensive operation manual, etc. for further details.

External Contact Classiÿcation	Contact Relay

LA6-5A

B Flashing/Alarm

Don't Apply Voltage

Flashing/Pulse Enable
Common Line　**Brown**

LED 1/ Input 1　**Red**
LED 2/ Input 2　**Orange**
LED 3/ Input 3　**Green**
LED 4/ Input 4　**Blue**
LED 5/ Input 5　**White**
Alarm 1/ Input 6　**Purple**
Alarm 2/ Input 7　**Sky Blue**
Mode Change　**Pink**
Common Line　**Yellow**
Power Supply Wire　**Gray**
Power Supply Wire　**Black**

Flashing / Pulse Enable
External Contact

Lighting / Alarm
External Contact

Fuse 1A
L N
100 ～ 240V AC

External Contact Classiÿcation	PLC（NPN Transistor）

LA6-5A

B Flashing/Alarm

Don't Apply Voltage

PLC

Flashing/Pulse Enable
Common Line　**Brown**

LED 1/ Input 1　**Red**
LED 2/ Input 2　**Orange**
LED 3/ Input 3　**Green**
LED 4/ Input 4　**Blue**
LED 5/ Input 5　**White**
Alarm 1/ Input 6　**Purple**
Alarm 2/ Input 7　**Sky Blue**
Mode Change　**Pink**
Common Line　**Yellow**
Power Supply Wire　**Gray**
Power Supply Wire　**Black**

Flashing / Pulse Enable
Output Unit ②

Lighting / Alarm
Output Unit ①

Fuse 1A
L N
100 ～ 240V AC

Circuit Diagram
C
E — B

※ **B** Flashing/ Alarm Type

POE Wiring (LA6-POE)

External Contact Classiÿcation	Contact Relay

LA6-POE

〈Note〉 Since °ashing and Pulse Enable Common are uncontrollable for a PoE input, do not connect it.

For Lighting
External Contact 1

Flashing/Pulse Enable
Common line　11　— **Do Not Use!**

LED Tier 1 / Input 1　1
LED Tier 2 / Input 2　2
LED Tier 3 / Input 3　3
LED Tier 4 / Input 4　4
LED Tier 5 / Input 5　7
Alarm 1 / Input 6　8
Alarm 2 / Input 7　9
Mode Change　10
Common line　12
Power Supply Wire　6　— **Do Not Apply Voltage!**
Power Supply Wire　5　— **Do Not Use!**

■ Wiring Diagram color and number indication

Red / ① / 1

PoE Connector wire number
Terminal connector wire number
Cable signal wire number

LAN Cable Connection

The LAN cable should be rated for category 5e or higher.
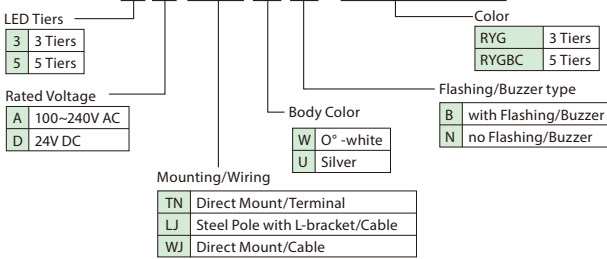A straight or cross cable can be used.

MEMO
- Be sure to use the IEEE802.3af compliant products for the PoE power feeder systems.
- Priority is given to the 24V DC power supply when both the 24V DC power source and PoE power feeder systems are connected simultaneously.
- If both power sources are simultaneously connected, when disconnecting the 24V DC source, this product may reboot.
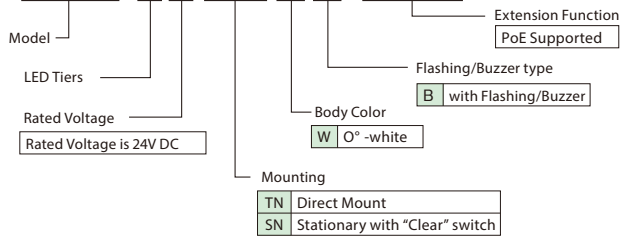
LA6

※ There is no Silver (U) body color selection for the LJ type.
※ 100V - 240V AC type is only available for LA6-5AWJWB-RYGBC.

LA6-5DLJWB-RYGBC

LED Tiers
| 3 | 3 Tiers |
| 5 | 5 Tiers |

Rated Voltage
| A | 100~240V AC |
| D | 24V DC |

Mounting/Wiring
TN	Direct Mount/Terminal
LJ	Steel Pole with L-bracket/Cable
WJ	Direct Mount/Cable

Body Color
| W | O° -white |
| U | Silver |

Flashing/Buzzer type
| B | with Flashing/Buzzer |
| N | no Flashing/Buzzer |

Color
| RYG | 3 Tiers |
| RYGBC | 5 Tiers |

LA6-POE

LA6-5DTNWB-POE

Model

LED Tiers

Rated Voltage
| Rated Voltage is 24V DC |

Body Color
| W | O° -white |

Mounting
| TN | Direct Mount |
| SN | Stationary with "Clear" switch |

Flashing/Buzzer type
| B | with Flashing/Buzzer |

Extension Function
| PoE Supported |

■ Specifications

Model		LA6					LA6-POE
Rated Voltage		24V DC/100-240V AC (50Hz/60Hz)					24V DC/48V DC (PoE)
Operating Voltage Range		24V DC ±10%/90-250V AC (50Hz/60Hz)					24V DC±10%/36-57V DC (PoE)
Rated Power Consumption	Standard	LA6-5D☐☐N-RYGBC	5W	LA6-5D☐☐B-RYGBC	6.5W		7.2W (24V DC)/8.6W (PoE)
		LA6-3D☐☐N-RYG	3.5W	LA6-3D☐☐B-RYG	4.5W		
		LA6-5AWJWB-RYGBC	6.5W				
	Maximum	LA6-5D☐☐N-YYYYY	7W	LA6-5D☐☐B-YYYYY	8W		12.9W (26.4V DC)/12.5W (PoE)
		LA6-3D☐☐N-YYY	4.5W	LA6-3D☐☐B-YYY	5.5W		
		LA6-5AWJWB-YYYYY	7.5W				
Signal Line Current		Max.70mA (at 24V DC)/Max.20mA (at AC100-240V)					Max. 420mA (at 26.4V DC)/10mA (for PoE)
Operating Temperature Range		-25℃ to +60℃					-10℃ to +50℃
Operating Humidity Range		Less than 90% RH, no condensation					Less than 90% RH, no freezing or condensation
Mounting Direction		Upright/Inverted					Upright
Protection Rating		IP65（with Buzzer: IP54）（IEC 60529）					IP54（Stationary type: IP20）（IEC 60529）
Environmental Conditions		Tested while mounted in the upright position					
Mounting Location		Indoors Only					
Insulation Resistance		More than 1M˜ a t 500V DC between the power input lead and chassis.					
Withstand Voltage		(500V AC at 24V DC/1500V AC at 100 - 240V AC) for 1 minute between terminals and chassis without breaking insulation.					
Display Color Variations		Signal Mode: 9 colors/Smart Mode: 21 colors					
Buzzer Sounds		11 Sounds					
Sound Level		Maximum 85dB					
Environmental Conditions		Buzzer Sound No.1, in an upright position with a distance from Buzzer opening at 1meter					
Operation Method		Signal Control					Signal/Command Control
Standard Compliances		■ 24V DC EMC Directive (EN 61000-6-4, EN 61000-6-2), RoHS Directive (EN 50581), UL508, CSA-C22.2 No. 14, FCC Part 15, Subpart B Class A, KC (KN 61000-6-4, KN 61000-6-2) ■ 100-240V AC EMC Directive (EN 61000-6-4, EN 61000-6-3), RoHS Directive (EN 50581), Low-voltage Directive (IEC/EN 60947-5-1, EN 62471)					EMC Directive (EN 61000-6-4, EN 61000-6-2, EN55032 Class A, EN 55024, RoHS Directive (EN 50581), FCC Part 15, Subpart B Class A, KC (KN 61000-6-4, KN 61000-6-2), UL 60950-1, CAN/CSA-C22.2 No. UL 60950-1-07, Recognized Component (File No. E480103), * The 24V DC Direct Mount type conforms to the following conformities: UL508, CAN/CSA C22.2 No. 14 Recognized Component (File No. E215660)

■ Lineup

Model	Tiers	Voltage	Body Color	Type
LA6-3DTNWB-RYG	3 Tiers	24V DC	Off-white	Direct Mount/Terminal/Buzzer
LA6-3DTNWN-RYG				Direct Mount/Terminal/No Buzzer
LA6-3DWJWB-RYG				Direct Mount/Cable/Buzzer
LA6-3DWJWN-RYG				Direct Mount/Cable/No Buzzer
LA6-3DTNUB-RYG			Silver	Direct Mount/Terminal/Buzzer
LA6-3DTNUN-RYG				Direct Mount/Terminal/No Buzzer
LA6-3DWJUB-RYG				Direct Mount/Cable/Buzzer
LA6-3DWJUN-RYG				Direct Mount/Cable/No Buzzer
LA6-3DLJWB-RYG			Off-white	L-Bracket with Pole/Cable/Buzzer
LA6-3DLJWN-RYG				L-Bracket with Pole/Cable/No Buzzer

Model	Tiers	Voltage	Body Color	Type
LA6-5DTNWB-RYGBC	5 Tiers	24V DC	Off-white	Direct Mount/Cable/Buzzer
LA6-5DTNWN-RYGBC				Direct Mount/Cable/No Buzzer
LA6-5DWJWB-RYGBC				Direct Mount/Terminal/Buzzer
LA6-5DWJWN-RYGBC				Direct Mount/Terminal/No Buzzer
LA6-5DTNUB-RYGBC			Silver	Direct Mount/Terminal/Buzzer
LA6-5DTNUN-RYGBC				Direct Mount/Terminal/No Buzzer
LA6-5DWJUB-RYGBC				Direct Mount/Cable/Buzzer
LA6-5DWJUN-RYGBC				Direct Mount/Cable/No Buzzer
LA6-5DLJWB-RYGBC			Off-white	L-Bracket with Pole/Cable/Buzzer
LA6-5DLJWN-RYGBC				L-Bracket with Pole/Cable/No Buzzer
LA6-5AWJWB-RYGBC		100 - 240V AC		Direct Mount/Cable/Buzzer
LA6-5DTNWB-POE		24V DC or PoE (48V DC)		Direct Mount/Terminal/Ethernet/Buzzer
LA6-5DSNWB-POE				Stationary/Terminal/Ethernet/Buzzer

⚠ CAUTION

To ensure correct use of these products, read the "Instruction Manual" prior to use. Failure to follow all safeguards can result in fire, electric shock, or other accidents.Specifications are subject to change without notice.

PATLITE ECO PROJECT

For the benefit of mankind and the earth, Patlite is committed to developing environmentally friendly products.

| 0-AG06A | EN | 1710 A |