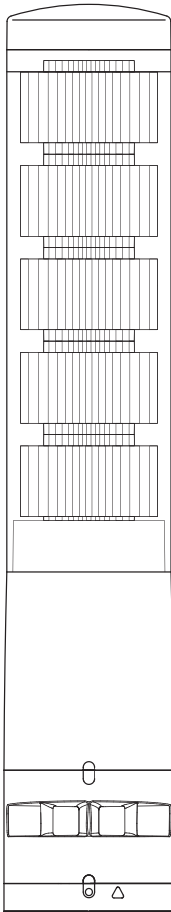


PATLITE®



Thank you very much for purchasing our PATLITE product.

Notice to Customer

- Request the installation and wiring be performed by a professional contractor if construction work is involved.
- Prior to installation, read this manual thoroughly before using this product to ensure correct use.
- Visit our homepage (<http://www.patlite.com/>) and download the "Complete Operation Manual" to find more about the operating method and features.
- After reviewing this manual, if there are any questions regarding this product, please contact the nearest PATLITE office listed on the back cover of this manual.

Notice to Contractor

- Read this manual carefully prior to installation.
- Be sure to return this manual to the customer.

Signal Tower TYPE L A 6

INSTRUCTION MANUAL [Maintenance Version]

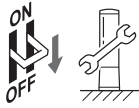
Installation Operation Maintenance

	Page
1 Safety Precautions	18
2 Model Number Configuration	19
3 Part Names and Outer Appearance	20
4 How to Install	22
5 Wiring	24
6 Setup Data Transmission Method	28
7 How to use the "Multi-function" Button	28
8 Troubleshooting	29
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1 Safety Precautions

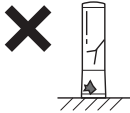
Safety Precautions

Warning Failure to observe the following may result in death or serious injury.



To prevent from **short-circuits or damage**, observe the following:

- Be sure the signal tower is disconnected from the power supply before wiring or performing repair work.
- Use the signal tower in a **properly maintained condition**. (If parts such as the base or outer cover lens are cracked, they should be repaired.)



To ensure safety when this product is installed onto equipment, observe the following.

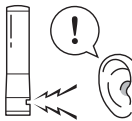
- Do not Use the signal tower as leverage when climbing up onto the equipment. Failure to comply will result in **falling from a high place, or damage to the product**.
- When performing tasks such as opening the covers of the equipment, be careful not to snag anything on the signal tower. Failure to comply will result in **product damage**.



Request the installation and wiring be performed by a **professional contractor** if construction work is involved.

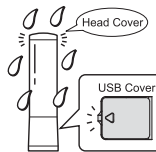
Failure to comply may result in **fire, electric shock or falling** from high places may occur.

Caution Failure to comply with the following points may result in injury, physical loss or damage.



Avoid long exposure to the alarm sound from a close distance. Failure to observe this may lead from irritation to permanent damage to the ears.

(**B** Flashing/Alarm Type)



To maintain the dust and waterproof performance for this product, observe the following:

- Keep the Head Cover attached at all times.
- Ensure the USB Cover is closed at all times.



By all means, **do not apply voltage to the external lead for tiers**.

Failure to comply may result in **product damage**.

(**A** 100V - 240V AC Type)



Do not connect power to the external lead for tiers.

Failure to comply may result in **product damage**.

(**A** 100V - 240V AC Type)



Do not remove parts beyond those designed to be removed from this product.

Failure to comply may result in **product damage**.

(Refer to **B** Part Names and Outer Appearance (P. 20) for parts which can be removed)

Notice



To ensure proper safety while using the signal tower, observe the following:

- Perform periodic pre-maintenance.
- As a precaution against problems occurring, use this product together with other equipment.



Be sure to discharge any static electricity from the body before handling static sensitive parts of this product.

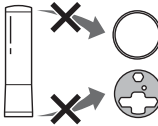
(To prevent damage from static electricity, touch hands or other body parts to metals or an earth ground to discharge the body from static charge.)



To ensure safety when this product is installed onto equipment, observe the following.

- Do not modify or disassemble this product.
- Use only the specified replacement parts listed in this manual.

Notice

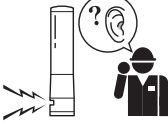


Do not operate this product without the waterproof packing material.
Failure to comply will result in lower waterproofing performance.



○ Type1 Enclosure

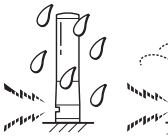
This product is designed for use on a flat surface of a **Type 1 Enclosure**.
(For UL Standard Compliance)



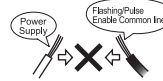
The alarm sound is unidirectional, therefore it is most easily audible in the direction from the source.
Position the signal tower so that the alarm sound is facing in the desired sound direction.
(For **B** Flashing/Alarm Type)



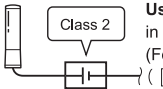
By all means, **do not apply voltage to the Flashing/Pulse Enable Common line**.
Failure to comply may result in malfunction.
(**B** Flashing/Alarm Type)
(**D** 24V DC Type)



Sound pressure may change in accordance to the surrounding environment.



Do not connect power to the Flashing/Pulse Enable Common line.
Failure to comply may result in malfunction.
(**B** Flashing/Alarm Type)
(**D** 24V DC Type)



Use a **"Class 2" power supply** specified in the guidelines under UL1310.
(For UL Standard Compliance)
(**D** 24V DC Type)

Main Unit

This product is a multipurpose signal tower, designed principally for giving notifications of the operating status for FA (Factory Automation) equipment in factories, etc., using LEDs and alarms* .

※ **B** Flashing/Alarm Type

This product operates the same as the conventional Signal Tower in its "Signal Tower mode", in addition to new functions called the "Smart Mode".

In its "Smart Mode", a diverse display of a pattern flow is used, and when prepared beforehand, all the LEDs can be used to display a bar graph, etc.

Instruction Manual Objective

- The images in this manual may vary in comparison to the actual product and are only for the purpose of illustration.
- Store this manual in a location for future reference.
- Visit our homepage (<http://www.patlite.com/>) and download the "Complete Operation Manual" to find more about the operating method and features.

2 Model Number Configuration

	Model	LED Tiers	Rated Voltage	Mounting/Wiring Installation	Body Color	Flashing/Alarm (Option)	Color
Model Number	LA6-	↓	↓	↓	↓	↓	-RYGBC

3 or **5** Tiers

D 24V DC

WJ

Direct mount with cable connection

TN

Direct mount with Screwless Terminal Block connection

LJ

Mounting angle and steel pole with cable

W

Off-white

U

Silver ※

※ **U** is not available for **LJ** .

B

With Flashing/Alarm

N

Without Flashing/Alarm

Color for each tier in Signal Tower Mode (Factory default setting).
R (Red) · Y (Amber) · G (Green) · B (Blue) · C (White)
(The LED light color for each tier can be changed after purchase.)

	Model	LED Tiers	Rated Voltage	Mounting/Wiring Installation	Body Color	Flashing/Alarm (Option)	Color
Model Number	LA6-	↓	↓	↓	↓	↓	-RYGBC

5 Tiers

A 100V ~ 240V AC

WJ

Direct mount with cable connection

W

Off-white

B

With Flashing/Alarm

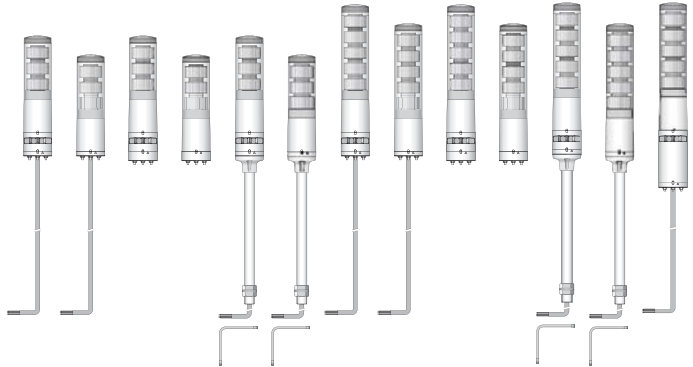
Color for each tier in Signal Tower Mode (Factory default setting).
R (Red) · Y (Amber) · G (Green) · B (Blue) · C (White)
(The LED light color for each tier can be changed after purchase.)

3 Part Names and Outer Appearance

Outer Appearance List

The full product appearance is indicated according to its model number. Refer to the model numbers as a reference to its appearance.

Number of Lens Tiers	3 Lens Tiers				5 Lens Tiers				
Rated Voltage	D							A	
Mounting/Wiring Installation	WJ	TN	LJ	WJ	TN	LJ	WJ		
Body Color	W Off-white / U Silver (Not available for the LJ Type)							W	
Flashing/Alarm (Option)	B	N	B	N	B	N	B	N	B



Part Names and Outer Appearance

Each figure contains 5-lens tiers [5], with flashing/alarm [B] functions.

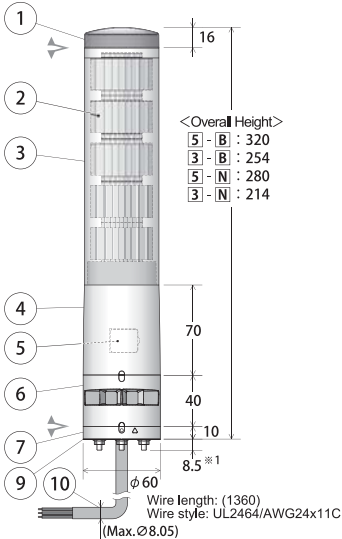
For 3-lens tiers [3], the overall height will be shorter. Also, for specifications not including the flashing/alarm [N] functions, the product will not include a buzzer case and the overall height will be shorter.

■ [WJ] Direct mount with cable connection

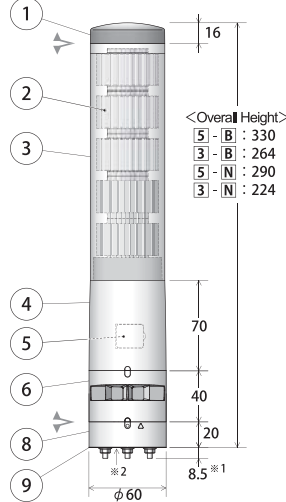
■ [TN] Direct mount with Screwless Terminal Block connection

(Unit:mm)

D 24V DC Type



D 24V DC Type



※ 1 Maximum Board thickness: 4 mm

※ 2 [TN] Spec. Underside View

Threaded hole for cable gland attachment (M16x1.5 Effective screw length 12mm)



Cable gland

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

14 Accessory Assembly [WJ] [TN]

Screw (M4x20)



3pcs.

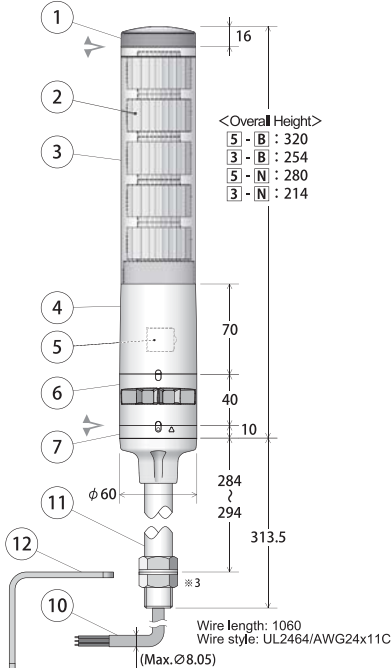
Flanged nut (M4)



3pcs.

■ **LJ** Steel pole with mounting angle and cable

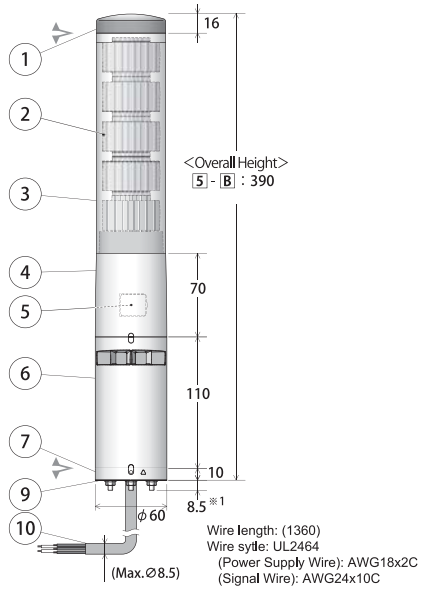
D 24V DC Type



※ 3 Maximum Board Thickness: 16 mm

■ **WJ** Direct mount with cable connection(LA6-5A)

A 100V - 240V AC Type



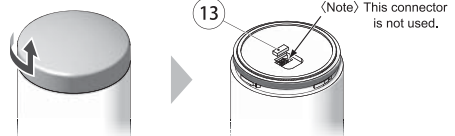
※ 1 Maximum Board thickness 4mm

Number	Name	Material	Number	Name	Material
1	Head Cover	ABS	8	Terminal Block Bracket	ABS
2	Lens	PMMA	9	Waterproof Packing	Urethane Foam
3	Outer Lens	PC	10	Cable	PVC
4	Body	ABS	11	Pole	Steel Pipe
5	USB Cover	ABS	12	Mounting Angle	Steel Plate
6	Buzzer Case	ABS	13	Multi-function Button	ABS
7	Direct-mount Bracket	ABS	14	Accessory Assembly	Steel

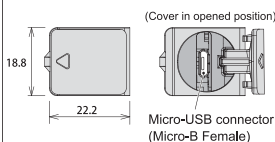
〈Note〉 ➤ The arrow mark (stackable mark) shows the part of the Main Unit (upper portion of bracket) which can be removed.
Do not disassemble any parts other than the parts indicated above.

13 Multi-function Button (Remove Head Cover)

Remove the head cover by turning it to the left to release it from the locked position. (To re-assemble, perform the steps in the reverse order.)



5 USB Cover (Detailed Parts)

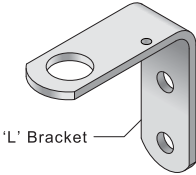


〈Note〉 - To open the USB Cover, insert a minus driver (blade-edge width of 3 mm, thickness of 0.5 mm or less) in the indented part and lightly pry it open.
(Use an object made of ceramic to avoid scratching or damaging the Body.)
- Ensure the USB Cover is closed at all times. If not securely closed, its waterproof performance will decrease.

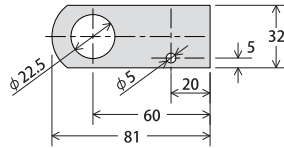
Part Names and Outer Appearance (Mounting Angle)

L The following are the dimensions for the mounting angle attachment.

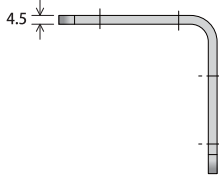
(Unit: mm)



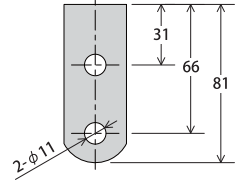
Top View



Side View

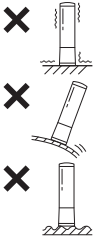


Rear View



4 How to Install

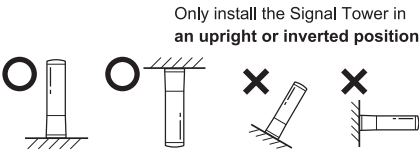
⚠ Caution



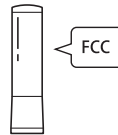
- The following requirements are necessary for proper installation.
- Install the Signal Tower where excessive **vibration is not present**.
 - Install the Signal Tower on a **sturdy surface**.
 - Install the Signal Tower on a **level surface**.



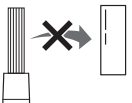
Use a soft cloth, etc., dampened with water to wipe the Lens and Body.
(Do not use cleaners containing chemicals such as those indicated below.)



Only install the Signal Tower in an **upright or inverted position**.



This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.
(**D** 24V DC Type)

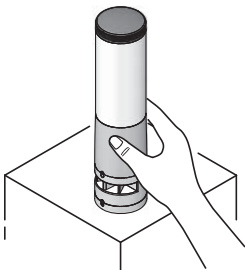


Do not remove parts beyond those designed to be removed from this product. (Refer to **B** "Part Names and Outer Appearance" (P. 20) for parts which can be removed)

This product must not be used in residential areas.
(Conformity requirements for CE Marking.)
(**D** 24V DC Type)

General Installation

1 Verify the signal tower installation position.



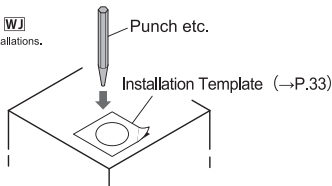
Point

Use the following tips to check the installation position:

- Will it obstruct other equipment?
- Can the wiring be routed properly?
- Is there space available to open and close the USB cover?
- Where is the alarm direction (with **B** Flashing/Alarm) facing?

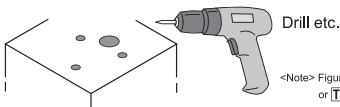
2 Mark holes for wiring and installation.

<Note> Figure is for **WJ** or **TN** installations.



Use the installation template located on Pg. 33 and a punch, etc. to mark the places to make the holes.

3 Make holes for wiring and installation

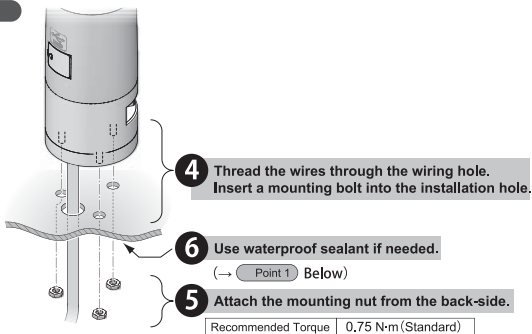


<Note> Figure is for **WJ** or **TN** installations.

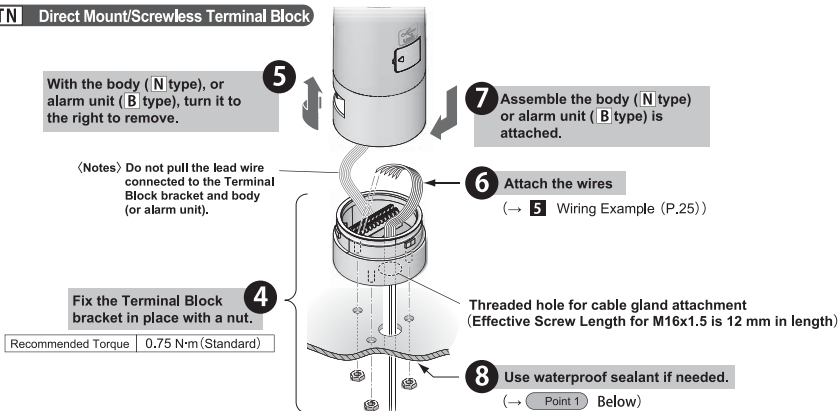
Use a drill, etc., to make holes for installation and wiring.

To continue from procedure **4**, refer to the model type (WJ), (TN), (LJ) for their mounting and wiring installation.

Model **WJ** Direct mount and Cable



Model **TN** Direct Mount/Screwless Terminal Block



Model **LJ** Steel pole with Mounting angle and Cable

6 Feed the wiring through the hole and set the pole in place to install.

Recommended Torque
30 N·m (Standard)

Point 2

When not using an attachment angle, make a fitting hole of $\phi 22-23\text{mm}$.

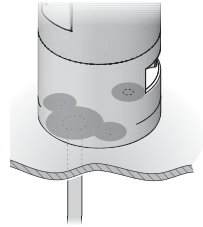
4 Drill Hole ($\phi 11\text{mm}$ in two places)
Installation Template (\rightarrow P.33)

Recommended Torque
12.2 N·m (Standard)

5 Use commercially available bolt nuts (M10) to fasten with.

Point 1

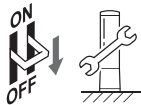
If the installed environment exposes water, etc., to the back-side of the mounting surface, be sure to Use sealant on the mounting and distribution holes.



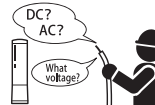
Use sealant to prevent water intrusion, (from the mounting back-side)

5 Wiring

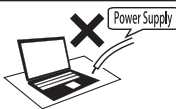
Warning



Be sure the **power is disconnected** before replacement or repair. Failure to comply will result in damage due to **short-circuiting**.

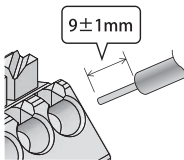


Ensure the **proper working voltage** is used and that **direct current** or **alternating current** is properly applied. Failure to comply may result in damage.

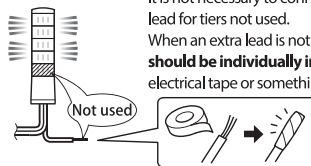


When transferring data via USB connection, **do not allow** the supply voltage from this product to contact with the personal computer, or its peripheral devices. Failure to comply will result in product damage due to combustion or fire.
- For example, in cases where you ground + terminal of the power source supplied to a product (plus grounding), FG (housing) of the personal computer which makes USB connection with this product should not be grounded, and please make.

Caution



Strip $9 \pm 1\text{mm}$ of wire insulation from the wire to insert it in the Screwless Terminal Block. If the wire is shorter than 9mm, a poor connection may occur, and if the wire is too long, there is a possibility of electric shock or short-circuiting.
(**TN** Direct Mount/Screwless Terminal Block Type)

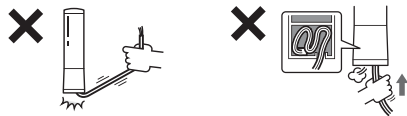


It is not necessary to connect to an external lead for tiers not used. When an extra lead is not connected, it **should be individually insulated** with electrical tape or something similar.



Wire the product so that the **lead wire** does not **protrude** from the **Screwless Terminal Block**. Failure to comply may result in short-circuiting.
(**TN** Direct Mount/Screwless Terminal Block Type)

Do not **pull** the lead wire or **push** it inside the body.



⚠ Caution



By all means, **do not apply voltage to the external lead for tiers.**
Failure to comply may result in **product damage.**
([A] 100V - 240V AC Type)



Do not connect power to the external lead for tiers.
Failure to comply may result in **product damage.**
([A] 100V - 240V AC Type)

Do not control the flashing display by switching the power source ON and OFF for the A type. Possible cause of failure may occur.

Notice



If wiring is extended beyond its factory length, a relevance in the length of the wire and wire gauge will cause a voltage drop.

Wiring Example

The wiring example indicates how to connect to external contacts for every classification.

If there are any special applications that require asking questions concerning this product, feel free to contact your PATLITE Sales Representative.

Wiring Example Index

LED Tier 1 / Input 1 **Red** / ①

Function Name
(Signal Tower) mode/(Smart Mode)

PIN No.
(TN Direct Mount/
Screwless Terminal
Block Type)

→ Refer to the "Screwless Terminal Block connector PIN arrangement" figure on the right.

Lead Wire Color
(Cable Specification)

<Note> The lead wire color does not indicate the LED luminescence color.

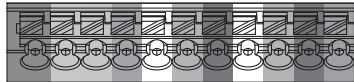
■ Alarm Sound Pattern (Factory Default)

Alarm 1	Alarm Sound No. 1
Alarm 2	Alarm Sound No. 2
Alarm 1 and Alarm 2 Entered Simultaneously	Alarm Sound No. 9

■ About Mode Switch-over

When entering the "Mode Change", the operating mode can be changed to the "Smart Mode." In the "Smart Mode", various lighting and alarm patterns can be arranged. Visit our homepage (<http://www.patlite.com/>) and download the "Complete Operation Manual" for further details.

Screwless Terminal Block Connector PIN Arrangement (TN Direct Mount/Screwless Terminal Block Type)



1	2	3	4	5	6	7	8	9	10	11
Red	Orange	Green	Blue	White	Gray	Black	Yellow	Gray	Black	Purple
LED1/ Input1	LED2/ Input2	LED3/ Input3	LED4/ Input4	LED5/ Input5	Alarm1/ Input6	Alarm2/ Input7	Power Wire	Flasher/ Pulse enable (Common)	Power Line (Sensitile Side)	Mode Change

■ Recommended lead wire specifications

Wire Type	Wire Gauge (Solid Wire)	Wire Gauge (Frayed Wire)
UL1007 / UL1430	0.5~1.5mm ²	AWG20~16

• Temperature rating should be above 75°C, and the conductor material should be of copper wire.

Screwless Terminal Block wiring method (TN Direct Mount/ Screwless Terminal Block Type)

- 1** A minus driver etc. is used to pry the lever slot of the Terminal Block open, by pushing straight onto the lever slot.
- 2** The stripped side of the lead wire is inserted in the slot.
- 3** The driver is removed to release the lever. (Check to make sure the lead wire has been locked in place.)

Point

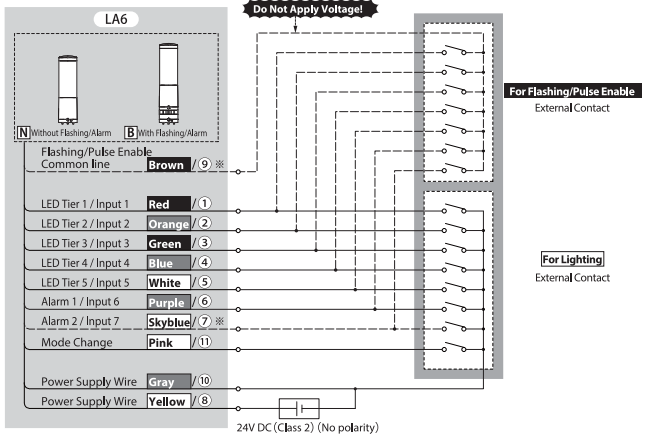
- The minus driver blade should be at least 2.5mm by 0.4mm in size.
- Do not forcibly push the lever more than necessary with the driver. Failure to comply may damage the unit.
- Strip 9mm (±1mm) of wire insulation from the wire to insert it in the Terminal Block.
- When removing the lead wire, do not just pull to remove. (Be sure to operate the lever to release the lock.)

⚠ Caution

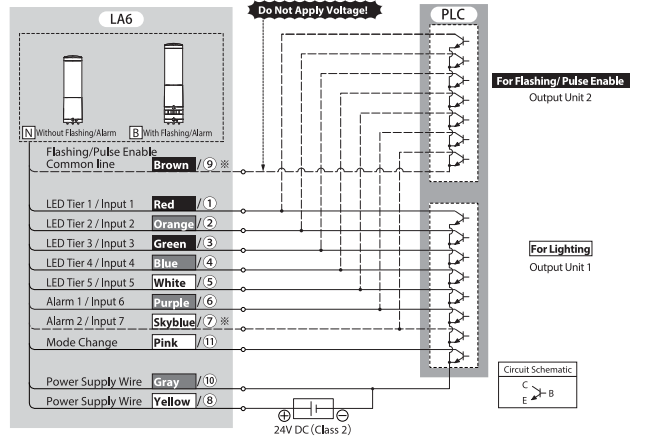
When an extra lead wire is not connected, it should be individually insulated with electrical tape or something similar.

[Note] When lighting and flashing are used together in the “Signal Tower” mode with a PLC, it is necessary to separate the flashing and non-flashing circuit outputs on the PLC side.

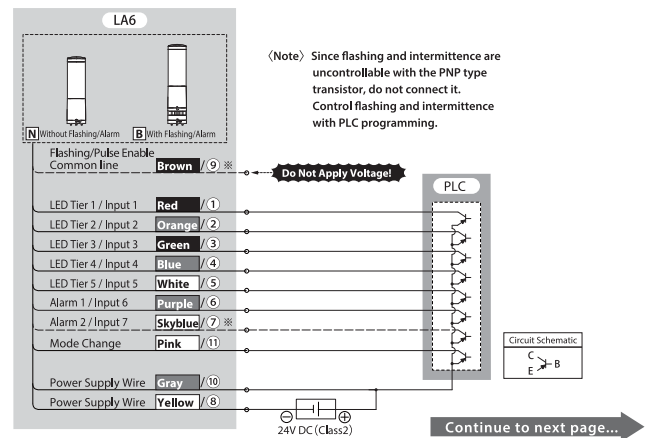
External Contact Classification
Voltage Contact Relay



External Contact Classification
PLC (NPN Transistor)



External Contact Classification
PLC (PNP Transistor)



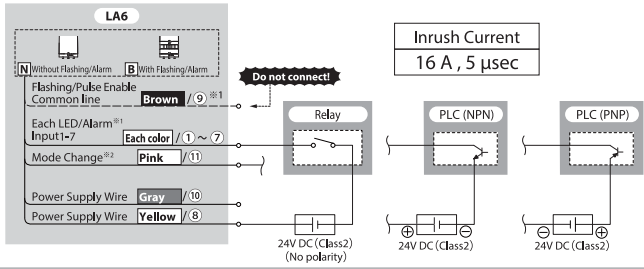
Caution When **Gray** / ⑩ power supply wire is not connected, inrush current still flows.

External Contact Classification

Voltage Contact Relay or PLC

D

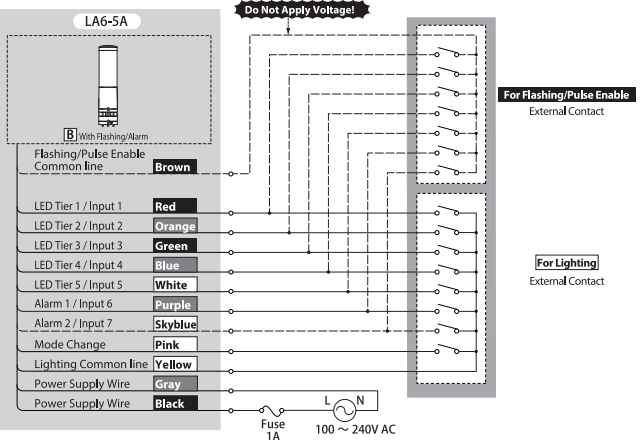
- ※ 1 For **B** Flashing/Alarm only.
- ※ 2 There is no inrush current on the **Pink** wire for "Mode Change."



External Contact Classification

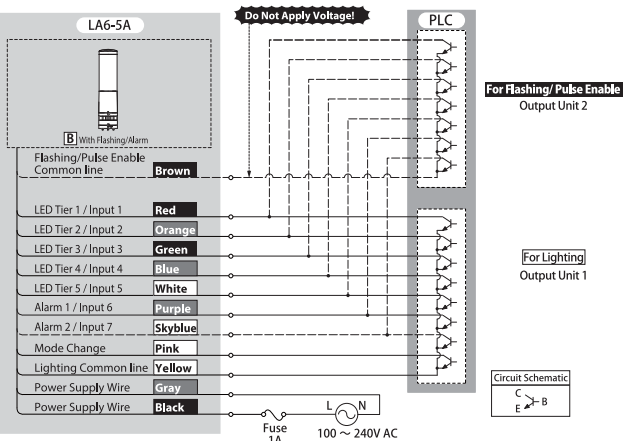
Voltage Contact Relay

A



External Contact Classification

PLC (NPN Transistor)



Fuse Ampere Ratings
250 V / 1 A
5x20mm Fast-Acting Glass Body Cartridge Fuse

Power Supply Inrush Current	
Ambient Temp. 25°C	16 A / 2 ms
Ambient Temp. 50°C	50 A / 2 ms

Notice

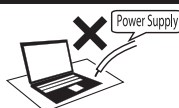
When a regulated power supply is not being used, select a fuse that meets class CC or more.

Continue to next page...

Signal Contact Capacity	
Current Capacity	100 mA or more
Withstand Voltage	DC 35 V or more
Leakage Current	0.1 mA or less
ON Voltage (V _{sat})	1 V or less

6 Setup Data Transmission Method

Warning



When transferring data via USB connection, **do not allow** the supply voltage from this product to contact with the personal computer, or it's peripheral devices.

Failure to comply will result in product damage due to combustion or fire.

- For example, in cases where you ground + terminal of the power source supplied to a product (plus grounding), FG (housing) of the personal computer which makes USB connection with this product should not be grounded, and please make.

This chapter explains the application of the "Smart Mode." It is necessary to create a set pattern data beforehand.

For more detailed explanation on the creation and setup data for patterns, refer to the help section in the software for creation of setup data.

※ To find out about the software for creation of setup data, visit our homepage (<http://www.patlite.com>) for further details.

■ Preparation - This product

- Personal Computer with the software for creation of setup data installed (Windows[®] 7 / 8 / 8.1 / 10)

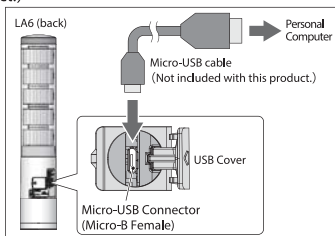
- Micro-USB Cable (USB A-Male to USB Micro-B Male)

Note > The Micro-USB cable should be able to charge batteries and transmit data.

(The Micro-USB cable is not included with this product.)

■ Transfer Procedure

- 1 Change the product to the standby mode (all signal inputs are off).
(The power supply input can either be ON or OFF, whichever is easier.)
- 2 Open the USB Cover on the product. (Right figure)
- 3 A micro-USB Cable is connected to a personal computer and the product.
(Right figure)
- 4 Click the "Transfer" button in the software for creation of setup data.
- 5 When data transfer is completed, a "Transfer was completed" message will be displayed.
- 6 Remove the Micro-USB cable and close the USB Cover on the product.
(Ensure the USB Cover is closed.)



Point

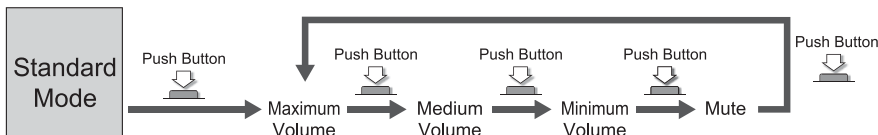
If the product's power supply is on, the Multi-function Button in the software for pattern creation data can be clicked to test the setup data operation.

7 How to use the "Multi-function Button"

The product contains a Multi-function Button (Refer to **3** Part Names and Outer Appearance (P. 20)) under the Head Cover in the upper section, which can be operated as follows:

- Alarm Sound Control Adjustable up to four steps.
- LED Color Change The luminescence color of each tier can be changed.
- Version Confirmation The current version of the product can be checked.
- Product Initialization The memory contents of the product can be cleared and returned to factory default values.
(Returns to the Signal Tower setup mode. The alarm sound pattern and the "Smart Mode" setup data have not changed.)

■ Multi-function Button Operation for Alarm Sound Control



To find out more about Multi-function Button operations like the "Alarm Sound Control" indicated above, visit our homepage (<http://www.patlite.com/>) and download the "Complete Operation Manual" for further details.

8 Troubleshooting

If a problem occurs, check the following table to remedy the problem before calling for service.

No.	Problem	Where to Check	Inspection Repair
1	The LED does not light up.	Is the electric wiring connected correctly?	Refer to "5 Wiring" on pgs. 24, 25 to verify wiring is correct.
		Is the power properly supplying the correct voltage?	Check the Rated Voltage.
2	A different LED tier from what I thought lights up when I make it turn on.	Is the electric wiring connected correctly?	Refer to "5 Wiring" on pgs. 24, 25 to verify wiring is correct.
		Is the setup data correct?	Check that the contents of the setup data is correct.
3	The alarm does not sound.	Is the electric wiring connected correctly?	Refer to "5 Wiring" on pgs. 24, 25 to verify wiring is correct.
		Is the power properly supplying the correct voltage?	Check the Rated Voltage.
		Check that the product type has a alarm included or not.	Only products with [B] added to the part number include the alarm function.
		Is the setup data correct?	Check that the contents of the setup data is correct.
4	The alarm volume is too low.	Is the alarm volume set to minimum?	Refer to "7 How to use the Multi-function Button" on pg. 28 to adjust the volume.
		Is the setup data correct?	Check that the contents of the setup data is correct.
5	The LED does not flash.	Is the electric wiring connected correctly?	Refer to "5 Wiring" on pgs. 24, 25 to verify wiring is correct.
		Are the external contacts for lighting turning on?	Priority is given to the lighting input over the flashing input when simultaneous signals are applied.
		Check that the product type has a alarm included or not.	Only products with [B] added to the part number include the alarm function.
		Is the setup data correct?	Check that the contents of the setup data is correct.




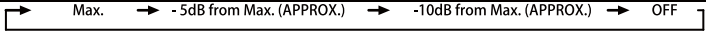
If the problem is not solved, even after the above-mentioned symptoms were checked, fill out the "Product Specification Details for Inquiry" before contacting your nearest Patlite Sales Representative or our Technical Support.

<Product Specification Details for Inquiry>

Product Name	Signal Tower	Purchase Date	Year/Month/Day
Model	(→ 2 Model Number Configuration" (P. 19))	Problem Symptoms	Describe as much detail as possible

9 Specifications

Specifications

Model		LA6-□□□□□□□□ (Refer to "2. Model Number Configuration")							
Rated Voltage		24V DC				100 ~ 240V AC (50Hz/60Hz)			
Operating Voltage Range		±10% of Rated Voltage							
Rated Power Consumption	Typ.	LA6-5D□□□N-RYGB	5W	LA6-5D□□□B-RYGB	6.5W	LA6-5AWJWB-RYGB	6.5W		
		LA6-3D□□□N-RYG	3.5W	LA6-3D□□□B-RYG	4.5W				
	Max.	LA6-5D□□□N-YYYY	7W	LA6-5D□□□B-YYYY	8W	LA6-5AWJWB-YYYY	7.5W		
LA6-3D□□□N-YYY		4.5W	LA6-3D□□□B-YYY	5.5W					
Environmental Condition		Alarm Sound No.1 at Maximum Volume							
Signal Wire Current		Max. 70mA				Max. 20mA			
Standby Current		Max. 15mA							
Standby Power		Max. 0.6W							
Operating Ambient Temperature		-25°C ~ +60°C							
Operating Ambient Humidity		Less than 90% (No Dew or Condensation)							
Storage Ambient Temperature		-25°C ~ +60°C							
Storage Ambient Humidity		Less than 90% (No Dew or Condensation)							
Mounting Location		Indoor Only							
Mounting Direction		Upright		Horizontal		Inverted			
									
Protection Rating		IP65 (Alarm specification: IP54) IEC 60529							
Environmental Condition		Upright Installation							
Vibration Resistance		LA6-□□□□□□	Sweep Durability; Amplitude: 0.30mm p-p(10~58.1Hz), Acceleration: 20m/s ² (58.1~150Hz)						
		LA6-□□□W□□	Fixed Pitch Durability; Acceleration: 20m/s ² (58.1~150Hz)						
		LA6-□□□TN□□	Sweep Durability; Amplitude: 0.30mm p-p(10~58.1Hz), Acceleration: 20m/s ² (58.1~150Hz)						
Environmental Condition		Fixed Pitch Durability; Acceleration: 10m/s ² (58.1~150Hz)							
Environmental Condition		JIS C 60068-2-6 : 2010							
Insulation Resistance		Upright Installation							
Withstand Voltage		More than 1MΩ at 500VDC between the terminals and the chassis							
Display Color (Typical Luminous Intensity)		500VAC applied for 1 min between terminals and chassis without breaking insulation							
Flashing Rate		Red (1000mcd); Amber (1700mcd); Green (2600mcd); Blue (1000mcd); White (1250mcd)							
Alarm Sound (Typical Frequency)		Purple (800mcd); Pink (850mcd); Lemon/Yellow (2150mcd); Cyan (2150mcd)							
		60±2 Flashes Per Minute							
		No.1	2400Hz, Continuous beep sound	No.2	2400Hz, Intermittent at 0.05sec				
		No.3	2400Hz, Intermittent at 1.5 sec	No.4	2400Hz, Intermittent at 0.5sec				
		No.5	3600Hz, Continuous beep sound	No.6	3600Hz, Intermittent at 0.05sec				
		No.7	3600Hz, Intermittent at 1.5 sec	No.8	3600Hz, Intermittent at 0.5sec				
		No.9	2400Hz&3375Hz, 0.25sec/0.25sec	No.10	2400Hz&3600Hz, 0.25sec/0.25sec				
		No.11	4000Hz&4800Hz, 0.5sec/0.5sec						
		Sound Level		Max. 85dB					
		Environmental Condition		Alarm Sound No.1 measured from the front direction of the alarm opening at 1m					
		Volume Control		4-step volume selection from Multi-function Button (Factory Default: Max.)					
									
Data Transmission Interface	Main Unit	USB micro-B Female							
	Transfer Cable	Interface: USB2.0/1.1; Transmission Speed: USB2.0/1.1/1.0							
Data Programming Application Software		Micro-USB Cable (Not included), Data Transfer/Charge Cable							
		Connector Type: USB Male (Type: A) to USB Male (Type: Micro-B)							
Mass (±10%)		Exclusive "EDITOR for LA series" Application Software (Downloadable from Homepage)							
		LA6-3DTN□□B	480g	LA6-5DTN□□B	590g	LA6-5AWJWB	740g		
		LA6-3DTN□□N	420g	LA6-5DTN□□N	530g				
		LA6-3DWJ□□B	450g	LA6-5DWJ□□B	560g				
		LA6-3DWJ□□N	400g	LA6-5DWJ□□N	510g				
		LA6-3DLJ□□B	980g	LA6-5DLJ□□B	1090g				
		LA6-3DLJ□□N	930g	LA6-5DLJ□□N	1040g				
Conformity Standards		UL508, CSA-C22.2 No. 14		EMC Directive (EN 61000-6-4, EN 61000-6-2)		EMC Directive (EN 61000-6-2, EN 61000-6-3)			
		FCC Part15 SubpartB Class A		KC (KN 61000-6-4, KN 61000-6-2)		Low Voltage Directive (IEC/EN 60947-5-1, EN 62471)			
		RoHS Derective (EN 50581)				RoHS Derective (EN 50581)			
Operating Mode		"Signal Tower" mode/"Smart Mode"							
Remarks		CE Marking Compliant				CE Marking Compliant			
		UL Recognized Component (File No.E215660), Maximum Surrounding Temperature Rating of 60°C							

10 Replacement Parts

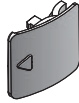
The following replacement parts for this product are available for the customer to change or replace.

Head Cover



The Head Cover is a single article.

USB Cover



The USB Cover is a single article.

Waterproof Ring B Set



x 2

Waterproof Ring B set has 2 pcs.

Pole Bracket Set

(**D**) For 24V DC type)



The Pole Bracket set includes: Pole bracket, Waterproof Ring and Screw (2 pcs.).

Direct-mount Bracket



The Direct-mount Bracket is a single article.

Terminal Block Bracket

(**B**) For flashing/alarm type)

(**D**) For 24V DC type)



The Terminal Block Bracket is a single article.

Pole Waterproof Ring

(**D**) For 24V DC type)

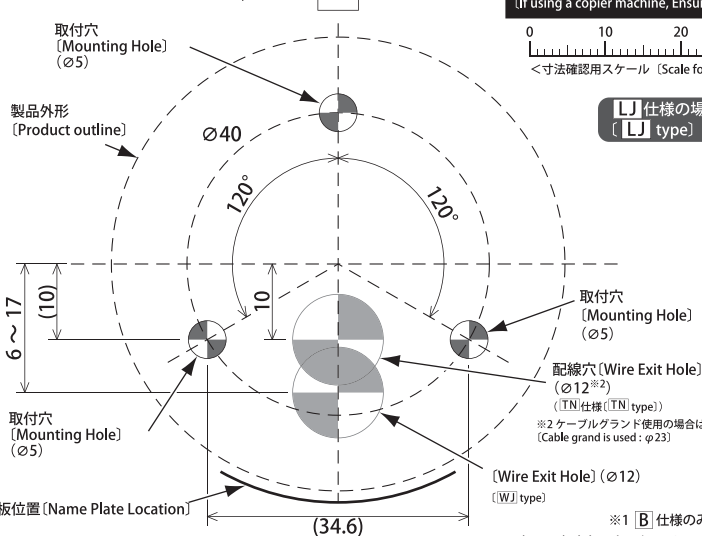


The Pole Waterproof Ring is a single article.

LA6 取付型紙 [Installation Template]

TN 仕様の場合
[For **WJ** **TN** type]

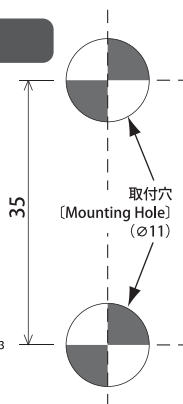
製品正面 (Front of product)
(プザー開口部 (Alarm output) ※1)



△注意 [CAUTION]

コピーして使用する場合は、データからプリントアウトした場合は、製品の取付ボルトや取付アングルと位置合わせするが、寸法確認用スケールを計測し、実寸になっていることを確認してください！
[If using a copier machine, Ensure that it is actual size.]

LJ 仕様の場合
[**LJ** type]



※1 **B** 仕様のみ [**B** type only]

本図は実寸大です。 (This figure is full scale) (単位 (Units) : mm)

✂ 切り取ってご使用ください。 (Cut-out before use.)

(取付型紙)

書込みなどしないでください。

(Installation template)

Do not write here.

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株式会社 **パトライト**

J2D

<http://www.patlite.co.jp>

[受付] 平日9:00～17:00

平日12:00～13:00及び土・日・祝日・
社休日は留守番電話による対応

●技術・修理相談窓口(無料):0120-497-090

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PATLITE Corporation

G2G

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