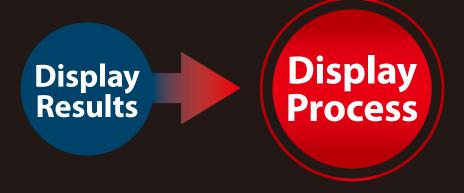




From simple status indication to the

Age of visualization.

LA6



Status Display

Display Cycletime

Level Meter Display

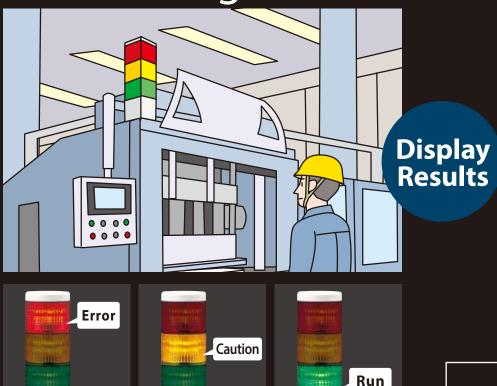


An Innovative Display Style

The age of visualization is born with the LA6. LA6 is the signal tower with infinite possibilities.

From the signal tower lineup, a new concept was born. With the advanced technology, LA6 can newly express the operating needed, but now, functions such as "Time", "residual quantity", and "level meter", were enabled by combining the buzzer sound management" and "visualization of non-operating time" equipment issues in the production site can be solved without the various problems in practically any field which can bring an idea to life.

From this Signal Tower



Equipment status is displayed.

Up until now, the signal towers only display the status condition of the equipment, and have not extended beyond those features.

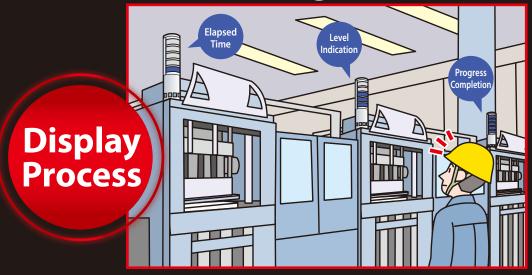
	Tiered Signal Tower		
Color	Maximum: 5 Colors		
Setting	Fixed Settings		
Sound	nd 2 Sounds		

Signal Tower

LA6

equipment with a light and sound status display. Since a CPU is embedded in the Main Unit, external-control programs are not of the luminescence color of a maximum of 21 colors, three operational modes and 11 sounds. Thereby, "cycle-time need for large-scale capital investments. The LA6 is an intelligent signal tower revolving into the age of visualization to solve

To this Signal Tower







Task progression is displayed.

In real time, status conditions (such as task progression, remaining material quantity, etc.) can become visible. Priority to maintain equipment can be recognized by the real time status conditions, which can ease the operator's responsibility. Moreover, monitoring sensors by displaying gradiant bars from the equipment can allow prompt action when necessary.

Task Progress Time Display Elapsed Error Time Display Remaining Quantity Display

Level Display

Individual Tier Display

Embedded **GPU** and simple programm



An internal Multi-function Switch is added.

Among other functions, pressing the built-in switch can adjust the alarm sound for "Loud" (about 85dB) -> "Middle" (about 80dB) -> "Low" (about 75dB) -> Alarm Sound "Off".



A new lens design optimizes visibility.

The newly developed lens design efficiently diffuses LED light so that it is unmistakably visible, even from great distances.

Signal Tower LA6

■ DC24V/ 5 Tier Type















(Alarm Type: IP54)



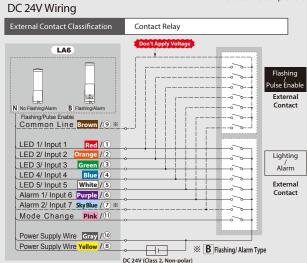


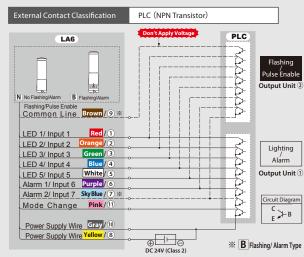
. **71**° us C E



Red is the lead wire color. (Cable Specification) * The lead wire color does not indicate the LED luminescence color. Wiring Diagram

* Refer to the comprehensive operation manualor our webpage for detailed schematics on the PNP transistor wiring.





ing offer a variety of control.





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

A newly developed compact sized loudspeaker structure with added water resistant performance, to clearly transmit sounds to a maximum of 85 dB at 1m. An alarm can be set up with every display pattern when the unit is set to Smart mode. Only three of the 11 alarm patterns can be selected in the Signal Tower mode)



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

Upload colors and patterns to the signal tower

The USB cable is sold separately (USB microB type with capability).





■ AC100 - 240V/ 5 Tier Type

AC100~240V LED RoHS

Off-white Flashing/Alarm

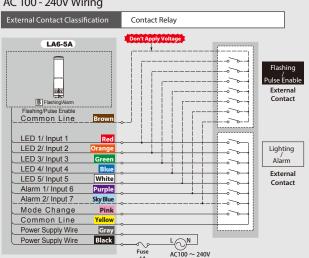


- Sindicinode Application (Mode Change					
		①Time-trigger Type	②Pulse-trigger Type	③Single-display Type	
Input1	Red				
Input2	Amber	Display Input	Display Input	Display Input	
Input3	Green	(Binary Input Maximum 15)	(Binary Input Maximum 15)	(Binary Input Maximum 31)	
Input4	Blue				
Input5	White	STOP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

* Refer to the comprehensive operation manual for detailed schematics.

Smart Mode Application (Mode Change Pink)

AC 100 - 240V Wiring



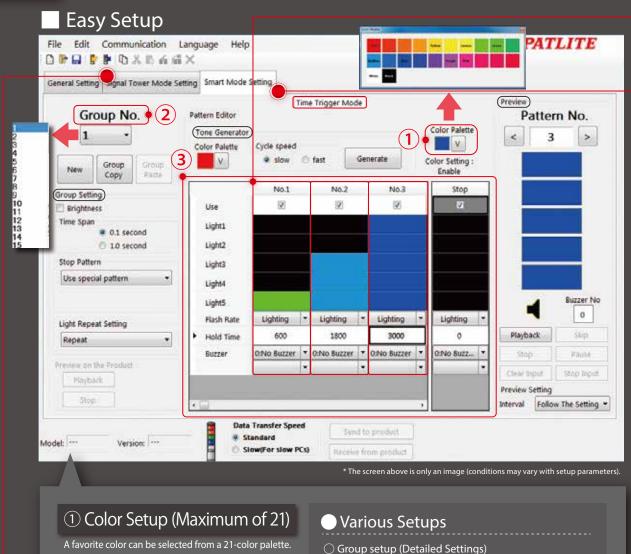
PLC (NPN Transistor) PLC LA6-5A 70000 Brown Common Line LED 1/ Input 1 LED 2/ Input 2 LED 3/ Input 3 LED 4/ Input 4 Output Unit 1 LED 5/ Input 5 White Alarm 1/ Input 6 Purple Alarm 2/ Input 7 Mode Change Circuit Diagram Common Line C E → B Power Supply Wire L N Power Supply Wire

AC100 ~ 240V

B Flashing/ Alarm Type



Programming unnecessary! Setup is easy with PATLITE's



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)

Operation setup is easy. Select the desired color (21 colors), flashing period (if any), and length of time the light and alarm are on* (maximum of 3,600 seconds, (11 sounds). *Limited to Time Trigger and Pulse Trigger.

- Flash Reduction Setup
- Time Span (0.1 sec./1.0 sec.)
- Repetitive Lighting Setup
- Sign pattern generation (9 colors)
 Setup a gentle way to "shine like a firefly."
 - Color select: Cycle Speed (Low/High)
- Simulation

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

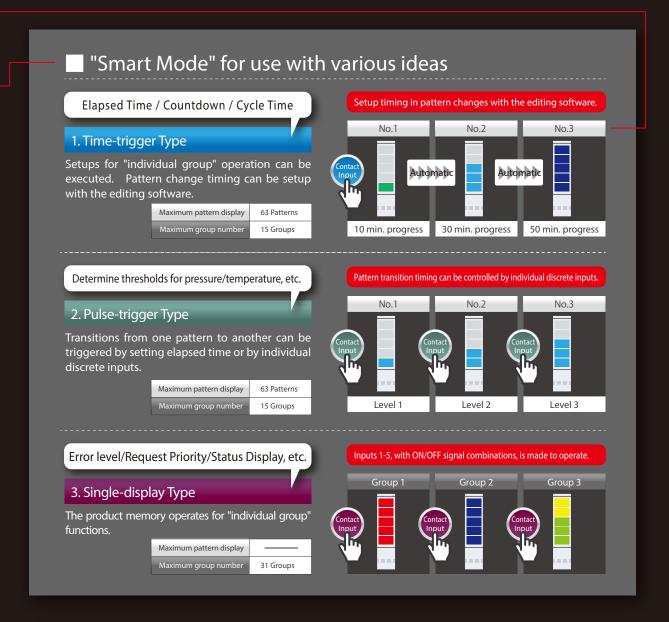
System Transmit and Receive
 Data can be written into the unit and also read from it, so that patterns can be easily copied into other units.

* 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.

exclusive editing software.



"Signal Tower" mode is used like a conventional Signal Tower



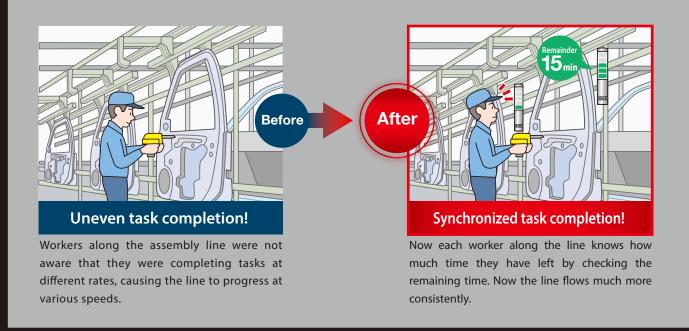


The color for each tier can easily be changed, even when used as a Signal Tower.

Real-life problems solved with LA6 Cases 1 and 2.

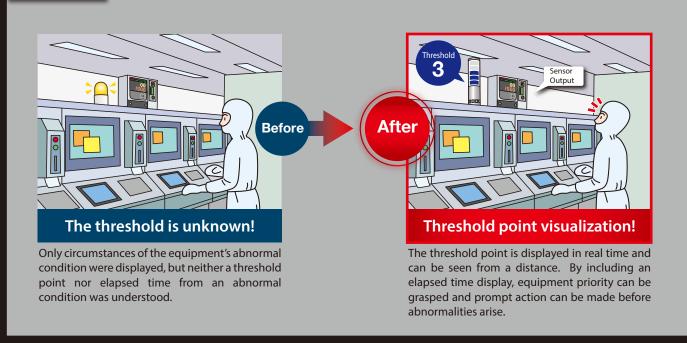
Case 1

Complete assembly line progress management by making takt time visible!



Case 2

Control management with visualization of analog equipment information and sensor feedback!





Operation/productivity ratio improvement due to progress management.

Display remaining work time with the number of tiers.

Remainder 25min

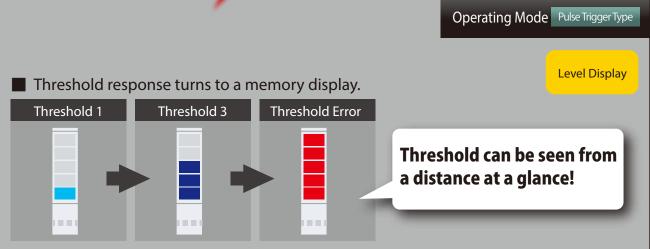
Remainder 15min

Remainder 5min

Remaining time is easily understood!



An error condition is prevented and productivity is improved.

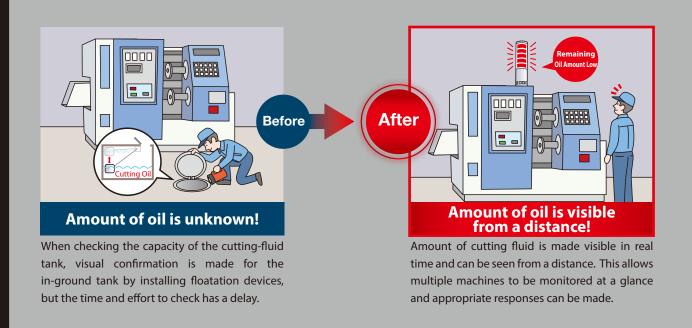




Real-life problems solved with LA6 Cases 3 and 4.

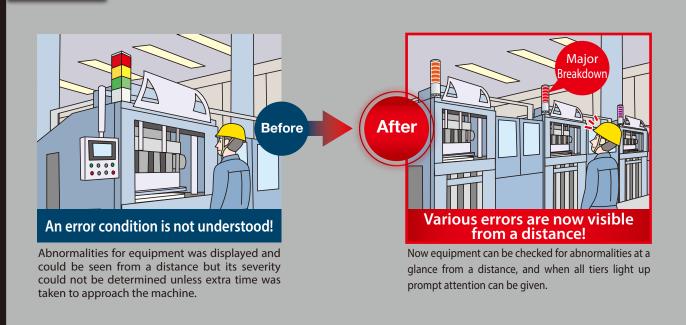
Case 3

Replenish cutting fluid in a timely manner by "seeing" how much is left.



Case 4

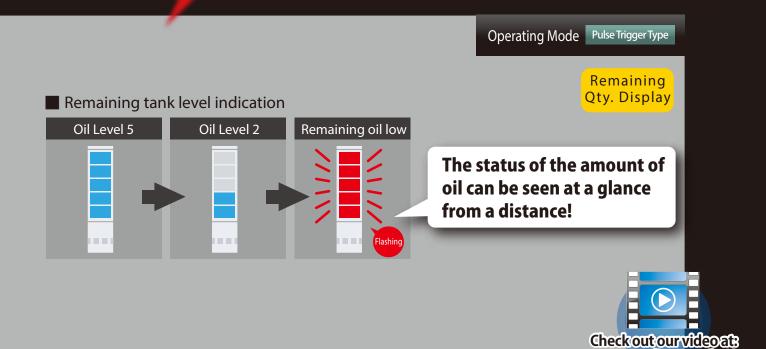
Various machines can be monitored more precisely for abnormal conditions!



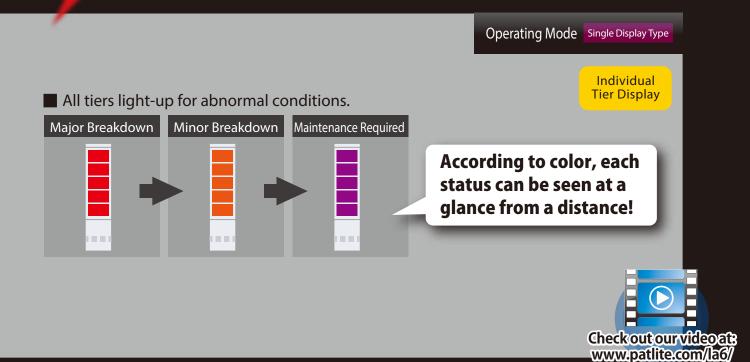


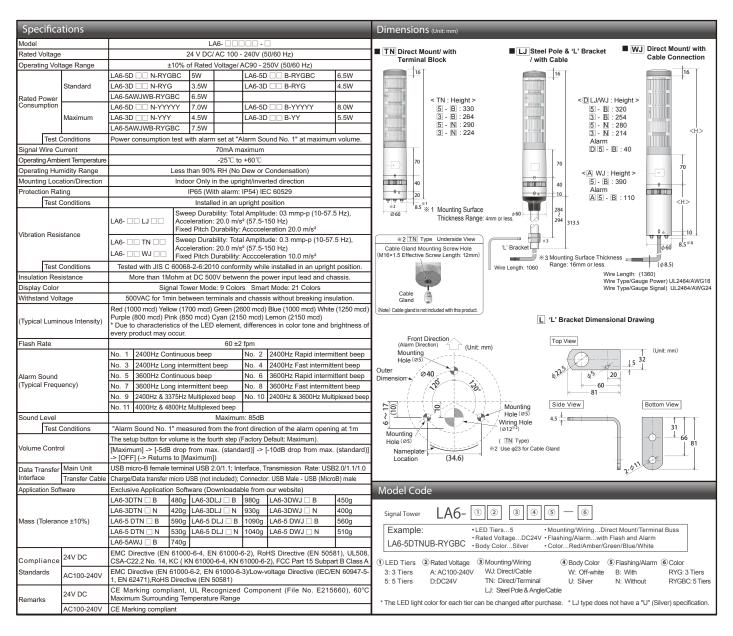
www.patlite.com/la6/

Eliminate cutting fluid level uncertainty by making it visible.



Reduced workload for responsible person by being able to monitor from a distance.





Option Parts



Replacement Parts



(Pole waterproof ring & screw attachment) * The pole waterproof ring is also sold seperate.

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PATLITE ECO PROJECT

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

▲ 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

0-AF04B EN 1611 A