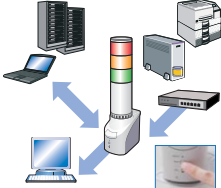


NHL Series Special Functional Features

Monitoring Functions

PING Monitoring

A maximum of 24 nodes is possible when monitoring critical status information. When an abnormality occurrence in the monitored equipment network isn't obtained, the detected abnormality warns the administrator promptly with light and sound.



Application Monitoring

Monitor important background applications and signal the administrator upon any detected abnormalities.

TRAP Monitoring

With the TRAP Monitoring function, the NHL alerts administrators to any equipment abnormalities within the IP network that uses SNMP.

- It can distinguish the variable-bindings.
- Registration of 16 groups (4 nodes per group) is possible.

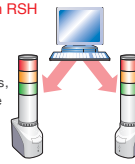
Self-diagnosis Function

For peace of mind, manually test operation functions with the conveniently located test button.

Communication Commands

RSH

Controllable with RSH
The NHL is easily controllable by Remote Shell (RSH) commands, which is a flexible protocol.



NHL-FB1/NH-FV1 Series
Event Occurrence: Command Execution, (Red/Amber/Green Lighting, Buzzer sounds)
RSH:
rsh 192.168.10.1 -l root alert 111001

NHL-FV1 Series
Event Occurrence: Command Execution, (Ch10 Message Playback)
RSH:
rsh 192.168.10.1 -l patlite sound 10

SOCKET Transmission

PHN Command Compatibility
Controlled with 2 bit commands.
* Some functions are limited.
Event Occurrence: Command Execution, (Red/Amber/Green lighting, Buzzer sounds)
PHN Command: 57H, 17H

PNS Command Compatibility
* The PNS command is a unique command from PATLITE.

Control all pattern information by using the PNS commands.

NHL-FB1/NH-FV1 Series
Event Occurrence: Command Execution, (Red/Amber/Green lighting, Buzzer sounds)
PNS Command: 58H, 53H, 00H, 00H, 06H, 01H, 01H, 01H, 00H, 00H, 01H

NHL-FV1 Series
Event Occurrence: Command Execution, (Ch10 Message Playback)
PNS Command: 58H, 58H, 56H, 00H, 00H, 04H, 01H, 00H, 00H, 10H

LA6-POE Features

Modbus/TCP Communication

It can be controlled by the Modbus/TCP commands, which is a general purpose protocol.

Event Occurrence: Command Execution (Smart mode group No.15 Playback)
00H, 00H, 00H, 00H, 00H, 06H, 01H, 06H, 00H, 06H, 01H, 0FH

Mirroring Feature

A maximum of eight locations can indicate status information on a Signal Tower.



PoE Supported

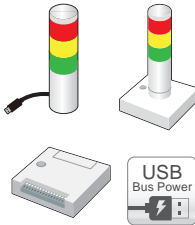
● PoE(Power over Ethernet)
This unit can be easily powered using the standard 48V PoE or by supplying 24VDC power directly to the terminal.



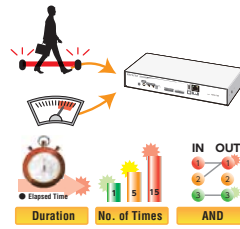
Functional features of the Interface Converter

USB Bus Powered

Power and operate it through a USB connection.



Condition Setting Functions



Set it up with a digital input to detect a condition.

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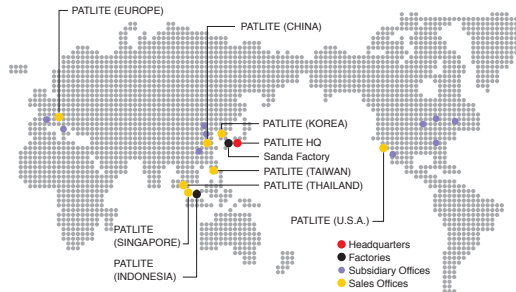
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As a global company, we offer our products and support worldwide.



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

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.

Q-A0F8A | EN | 1610 A



NETWORK PRODUCT CATALOG

INNOVATIVE MODEL

Signal Tower LA6 Series

The first PC programmable Signal Tower with unlimited possibilities

Signal Tower

- DC24V/ 5 Tier Type
- AC 100-240V/ 5 Tier Type

LA6



11 Sounds, Open Collector, LED 21 Color

IP65, IP54 (Buzzer), 85 dB at 1 m

φ 60mm



Silver Lighting Type, Off-white Flashing/Buzzer Type

PoE Capable Tiered Signal Tower

- Direct Mount Type
- LA6-5DTNWB-POE
- Stationary Type w/"Clear" Switch
- LA6-5DSNWB-POE



Easy WEB, PoE, Mirroring, Modbus/TCP

Socket, Ethernet, 85 dB at 1 m, 11 sounds

LED 21 Color, IP54 (Direct Mount), φ 60mm



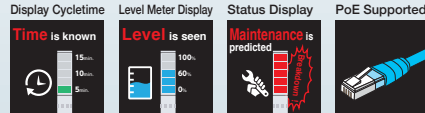
What's LA6?

A smart signal tower with an Embedded CPU that can be programmed to display process information such as cycle time, level control, etc.



Setup is easy with free downloadable software.

- Display Time
- Display Color
- Operating Mode



WD-Z2 Series

Just attach it to a Signal Tower!^{※1} Send information wirelessly!

Signal Tower LR6 Transmitter
WDT-6LR-Z2

Corresponding Model: LR6 series, Transmission Distance: 20m

Signal Tower LR5 Transmitter
WDT-5LR-Z2

Corresponding Model: LR5 series, Transmission Distance: 20m

Stationary Receiver
WDR-LE-Z2

Ethernet, USB Bus Power, Multiple Units, Recommended Links: 20, MAX. 30

Signal Tower LME Transmitter
WDT-6M-Z2

Corresponding Model: LME series, Transmission Distance: 20m

Signal Tower LE Transmitter
WDT-5E-Z2

Corresponding Model: LE series, Transmission Distance: 20m

Hardware System Setting Software
WDS-WIN01

Manual Control Signal Tower
HSST-3M2

3 Buttons, φ 50mm

※1 There are some restrictions on Signal Tower compatibility.
 ※2 The transmission distance is an estimate and dependent upon the environment, installed location and number of communication routes.
 ※3 With USB wiring, multiple receivers can not be operated simultaneously.

Signal Tower NHL Series

Network Monitoring Signal Tower with MP3

NHL-3FV1N

- Message/melody supported
- Contact input/output loads
- Actively acquire the equipment status



Easy WEB, PING, MAIL, SNMP v1-v2c, RSH, SLMP

Socket, Ethernet, MP3, 88 dB at 1 m, 10 Sounds, 60 Messages

4 Inputs, 1 Output, Line out, φ 60mm



Lights Off

Wall-mount Bracket NH-WST2

Partition-mount Bracket NH-PST

Network Monitoring Signal Tower

NHL-3FB1

- A design which blends comfortably in an office
- LED luminescence with 2 different flashing patterns.
- Four Buzzer Sounds



Easy WEB, PING, MAIL, SNMP v1-v2c, RSH, SLMP

Socket, Ethernet, 80 dB at 1 m

4 Sounds, φ 60mm



Lights Off

Wall-mount Bracket NH-WST

Partition-mount Bracket NH-PST

Interface Converter

Signal Tower Interface Converter PHE-3FB2N



USB Bus Power, RS232C, 80 dB at 1 m

4 Sounds, φ 40mm



Lights Off

Interface Converter NBM-D88N



Easy WEB, PING, MAIL, SNMP v1-v2c, RSH, Socket, Ethernet

8 Inputs, 8 Outputs, DC24V Output



USB Controlled Signal Tower LU7-USB



USB Bus Power, 80 dB at 1 m, 5 sounds

IP65, φ 70mm, Ivory White, Black

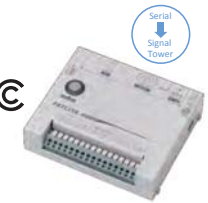


Interface Converter PHC-D08N



USB Bus Power, RS232C, 8 Outputs

DC24V Output



Option

Globally Supported AC Adaptor ADP-001

- Model Series: NHL Series, NBM-D88, PHE-3FB2, PHC-D08, WDR

- Compatible Countries: Japan, Europe, U.S.A, China, South Korea, Taiwan, Thailand, Indonesia, Canada, Philippines, Vietnam



IoT Solutions from the



Visualize Work Progress

Work progress can easily be assessed with the LA6 series' programmable internal timer function to display progress.

LA6 Series

Remainder 15 min.

Reduce variation loss by visualizing work progress

■ Display remaining work time with the number of tiers.

Remainder 25min. Remainder 15min. Remainder 5min.

Manufacturing Site



Production Line



Wirelessly Acquire Equipment Data

Attach our transmitters to existing PATLITE Signal Towers to wirelessly collect equipment data. The software can organize the collected data and improve productivity and efficiency, reduce bottlenecks, etc.

WD-Z2 Series

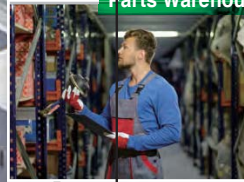
Use gathered data from operating equipment to generate various required graphs including Gantt charts.

WDT Wireless Communication

WDR

HSST-3M2

Parts Warehouse



Surveillance Camera A



Factory Operations



Surveillance Camera B



Optimize Product Picking

Location of products to be picked can be seen at a glance by connecting various devices to a picking system.

Understood at a glance.

PHC-D08

RHE

LU7-USB

PHE-3FB2

Red : 1st Shelf
Amber : 2nd Shelf
Green : 3rd Shelf

Network Existing Equipment

Improve response time by converting your existing equipment to network enabled devices capable of notifying remote personnel via e-mail.

● Administration Office

● Manufacturing Site

Emergency Detected

Interface Converter NBM-D88

Network Monitoring Signal Tower NHL-FB1

Send E-mail!

On-site Manager: Let's hurry back to the site.

Equipment Manager: I will check the situation.

Emergency Detected

LAN

Interface Converter NBM-D88

Connection

Connection

Connection

LED Signal Light LFH

MP3 Melody/Alarm Horn EHS/EHV

NHL Series

NBM-D88

EHS/EHV

LFH

Camera System Fault Detection

Monitor surveillance equipment in order to

● Surveillance Camera A

● Surveillance Camera B

E-mail notifications are sent during recorder failures.

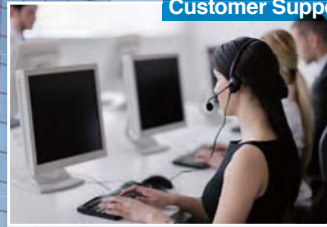
From the Factory to the Office



Factory Office



Customer Support



Server Room



Camera Monitoring Room

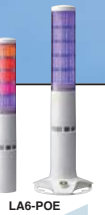
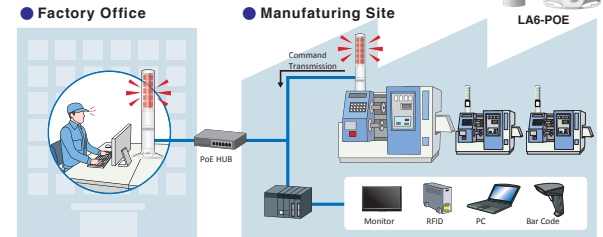


Printing Room



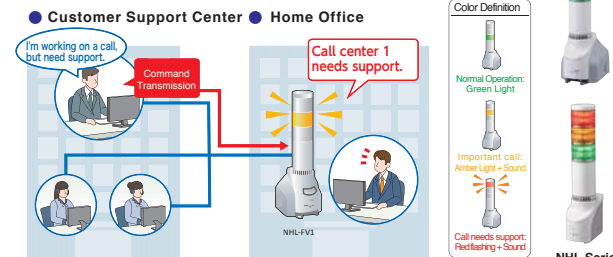
Communicate Across Multiple Locations

The LA6-POE is capable of mirroring other LA6-POE devices over an Ethernet connection. By utilizing this function, equipment information is visually communicated in other remote locations.



Notify Remote Personnel in Real-time

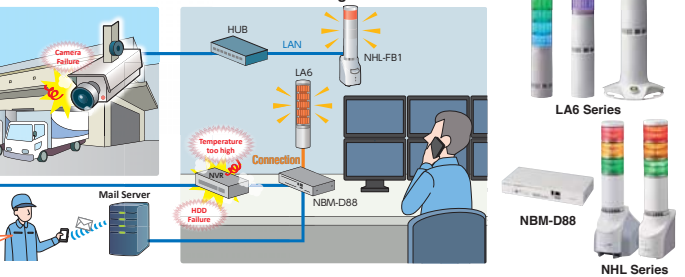
Create a smoother, more efficient customer service experience by notifying remote administrators of status in the call center.



quickly respond to failures and abnormalities.

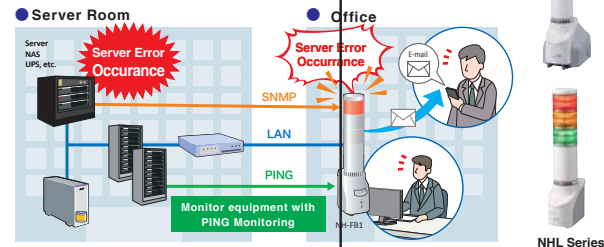
Surveillance Camera B

Camera Monitoring Room



Remotely monitor server errors

Be notified immediately of server errors or failures with light, alarm or remotely by e-mail.



Notify Personnel of Equipment Status

Improve company efficiency by informing personnel of printing completion, out of paper or ink, breakdowns, etc.

