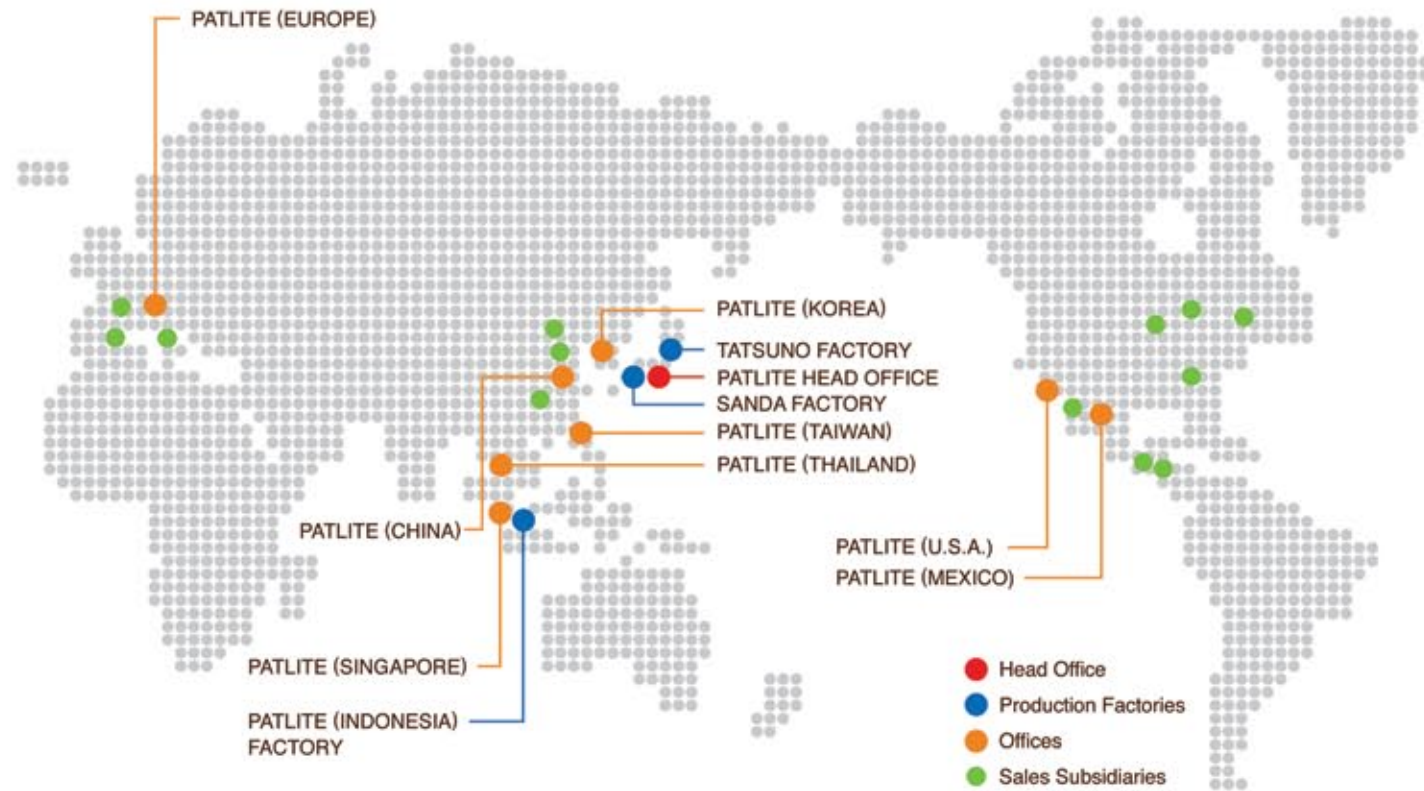


Network Catalog



PATLITE (U.S.A.) Corporation

20130 S. Western Ave. Torrance, CA 90501, U.S.A.
TEL.+1-310-328-3222 FAX.+1-310-328-2676 E-mail: sales@patlite.com

PATLITE Corporation

4-1-3, Kyutaramachi, Chuo-ku, Osaka 541-0056 Japan
International Sales Division
TEL.+81-6-7711-8953 FAX.+81-6-7711-8961 E-mail: overseas@patlite.co.jp

PATLITE (SINGAPORE) PTE LTD

No.2 Leng Kee Road, #05-01 Thye Hong Centre, Singapore 159086
TEL.+65-6226-1111 FAX.+65-6324-1411 E-mail: sales@patlite.com.sg

PATLITE (CHINA) Corporation

Room 1102-1103, No.55, Lane 777, Guangzhong Road (West), Zhabei District, Shanghai, China 200072
TEL.+86-21-6630-8969 FAX.+86-21-6630-8938 E-mail: sales@patlite.cn

PATLITE Europe GmbH

Am Soeldhermoos 8, D-85399 Hallbergmoos, Germany
TEL.+49-811-9981-9770-0 FAX.+49-811-9981-9770-90 E-mail: info@patlite.eu

PATLITE Korea co., LTD.

A-2603, Daesung D-POLIS, 606, Seobusaet-gil, Geumcheon-gu, Seoul, 08504, Korea
TEL.+82-2-523-6636 FAX.+82-2-861-9919 E-mail: sales@patlite.co.kr

PATLITE TAIWAN co., LTD.

2F-1, No.215, Sec. 2, Chengde Rd., Datong Dist., Taipei City 10364, Taiwan (R.O.C.)
TEL.+886-2-2555-1611 FAX.+886-2-2555-1621 E-mail: info@patlite.tw

PATLITE (THAILAND) co., LTD.

Olympia Thai Tower, 15th Floor 444 Ratchadapisek Road Samsenok, Huay Kwang Bangkok 10310, Thailand
TEL.+66-2-541-5431 FAX.+66-2-541-5429 E-mail: sales_150716@patlite.co.th

PATLITE MEXICO S.A. de C.V.

Plaza de La Paz No. 102, int. 712 Guanajuato Puerto Interior, Silao, Gto, C.P.36275, Mexico
TEL.+52-472-748-9124 E-mail: ventas@patlite.com.mx

www.patlite.com

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, the PATLITE logo are either registered trademarks or trademarks of PATLITE Corporation in JAPAN and/or other countries.
• MPEG Layer-3 audio coding technology licensed from Fraunhofer IIS and Thomson Licensing.
• The names of other companies and products are trademarks or registered trademarks of their respective companies.



IoT solution from the Factory

to the Office

Surveillance system monitoring

The LA6-POE and NHL-FV are able to detect network events and notify remote personnel over the network.

Public facility
Detect camera issues over the network

Food facility
Traceability management

*NVR: Network Video Recorder



Remote tank level monitoring

Without warning, remotely located tanks run dry, leading to extended downtime. The LA6 is a visual level meter, able to notify remote personnel of level statuses in real-time.

Tank 1
Analog outputs for threshold levels

Control Box (PLC)

Administration Building
Address Tank 1, Building 1

Color indicates changing fluid levels

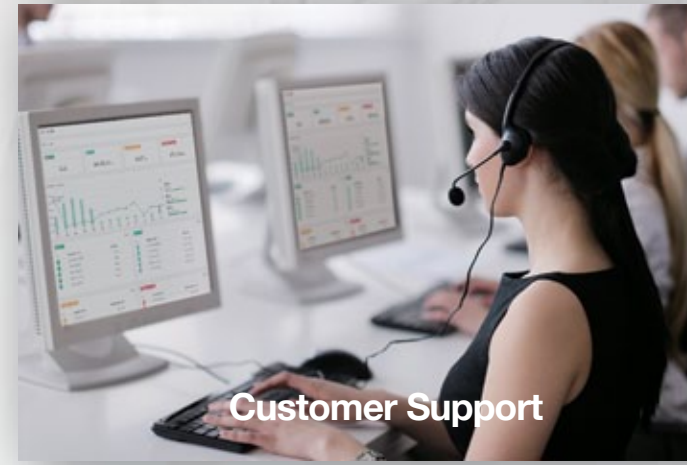
Mirroring display of production facility

A master LA6-POE located at the production site is able to mirror status of up to 8 LA6-POE devices, notifying personnel of production issues located in remote locations.

Manufacturing Site
Mirror on up to 8 LA6 devices

Automated processing line
Notify remote personnel of issues at the production site

Cell production line
Notification to supply more material



Monitor nodes on network in real-time

The NHL monitors nodes on multiple call center networks. If ping responses fail from certain nodes, the NHL will notify an administrator by visual or voice alert indicating which call center has gone down and needs call rerouting.

Call Center 1
ping response fail

Call Center 2
ping response received

Support Center
call rerouting

NHL SERIES
Signal Towers

Network existing equipment

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

Manufacturing Site
Emergency detected

Administration Office
Interface Converter

On-Site Manager
Attention needed at site

Equipment Manager
I'll address the issue

NHL SERIES
Signal Towers

NBM
Interface Converter

EHS/EHV
MPS melody / alarm horn

LFH
LED Signal Light



Remote monitoring of server and network peripheral devices

The NHL-FV supports various protocols to communicate with network devices and is able to notify local personnel of issues on the network via visual and audible signals and remote personnel via email.

SNMP
Monitor HDD

LAN
Server Problem

PING
Power Supply Issue

Network device issues detected
NHL-FV

E-mail sent to remote personnel

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.



LA6-5DTNWB-POE
Direct mount type

LA6-5DSNWB-POE
Desktop type

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

for LA6-5DSNWB-POE for LA6-5DTNWB-POE

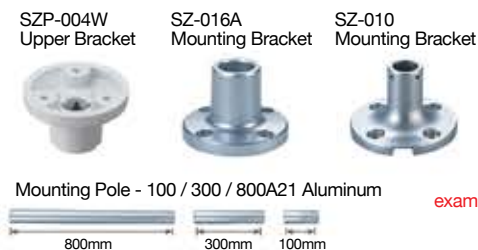
NH-WST2
Wall-mount
Bracket



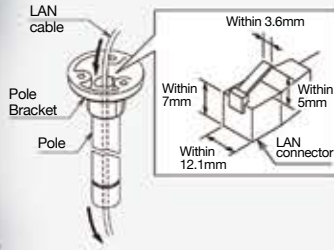
SZK-003W+F0044
Wall-mount
Bracket



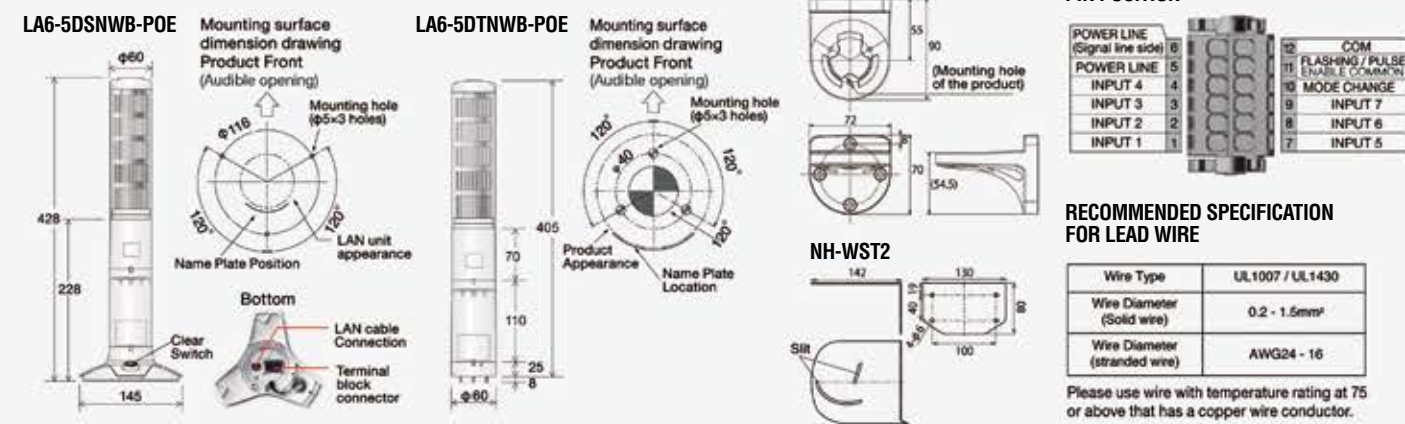
Assembly Type / Pole Mount Bracket



Wire Assembly



Dimensions



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, Run Light

10 mins 30 mins 50 mins

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

100°F 300°F 500°F

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

Group 01 Group 02 Group 03

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

Network Monitor Signal Tower Series with MP3 Voice Alerts

NH-FV Smart Signal Towers

- Audible alarm and MP3 voice alert functions
- Built-in digital output and contact inputs
- Able to send email alerts
- Monitor network device status using SNMP protocol

LR6 Series LED Units

Size	Color	Model
φ40		LR4-E-R / Y / G / B / C
		LR4-E-RZ / YZ / GZ / BZ <small>Clear globe</small>
φ60		LR6-E-R / Y / G / B / C
		LR6-E-RZ / YZ / GZ / BZ <small>Clear globe</small>

Easily Reconfigure LED Colors (Only NH-FV2/FB2)

No tools are required to reconfigure the LED units. Simply twist the LED units to lock or release the units from one another. Standard stack lights are generally glued together or require tools to reconfigure modules.

Monitor network device status using SNMP protocol

In addition to PING monitoring, the NH Signal Towers are equipped with an SNMP monitoring function. It actively obtains MIB information from supported SNMP network devices and is able to notify personnel with visual, audible, and/or email notifications when changes occur.

Control Interface (NH-FV2 Series)



Options

NH-WST2 Wall-mount Bracket	Length / NHP-FV2 Main Unit mass Main Unit Length					
	Number of Tiers	1	2	3	4	5
	Main unit length (mm)	256	296	336	376	416
	Mass (g)	945	990	1015	1050	1085

NHL-TF (FOR NHL-FV2/FB2) NHP-TF (FOR NHP-FV2/FB2) Dimmer Film	Length / NHL-FV2 Main Unit mass Main Unit Length					
	Number of Tiers	1	2	3	4	5
	Main unit length (mm)	256	296	336	376	416
	Mass (g)	1030	1090	1150	1210	1270



OFF

NHP-3FV2-RYG

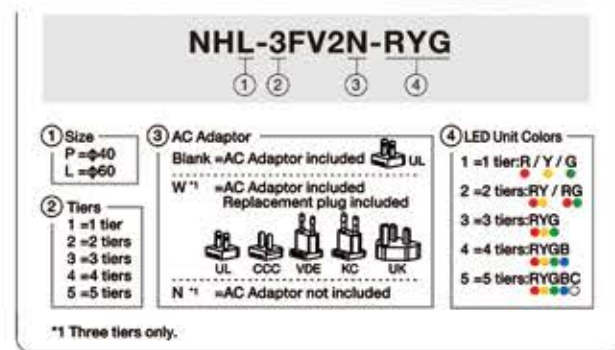
NHL-3FV2-RYG

ATTACH

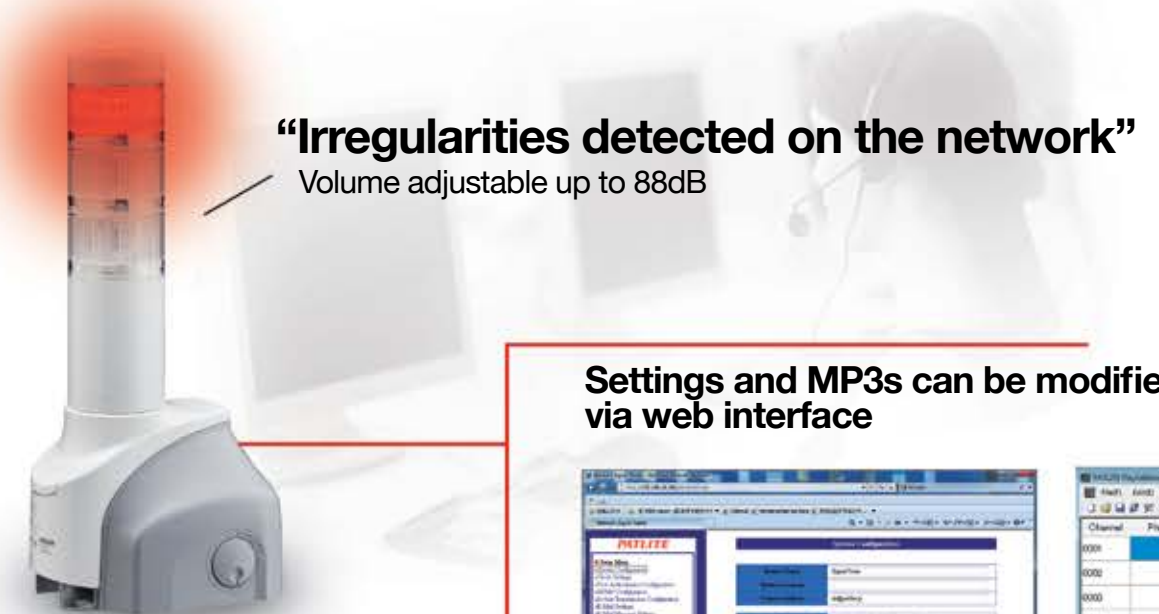
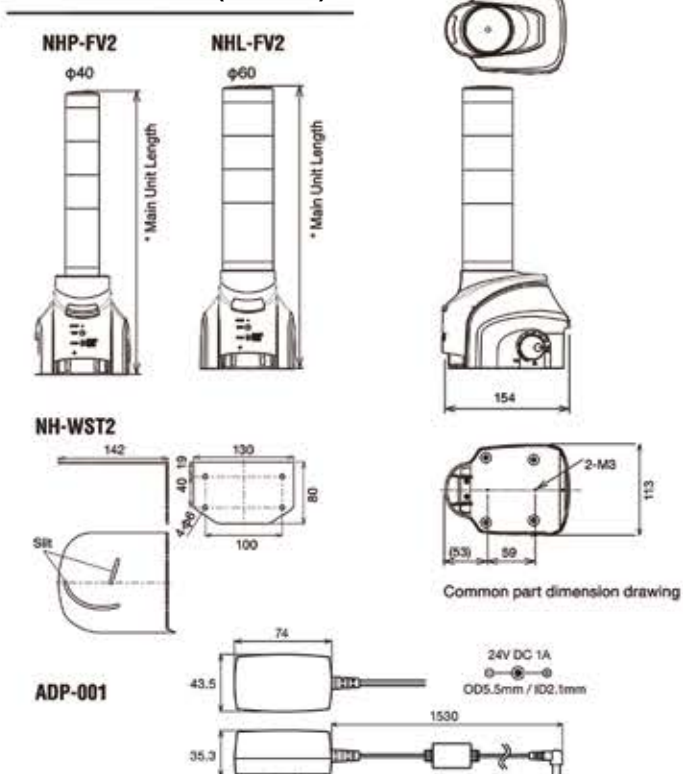
DETACH

Easily Reconfigure LED Colors

How to Order



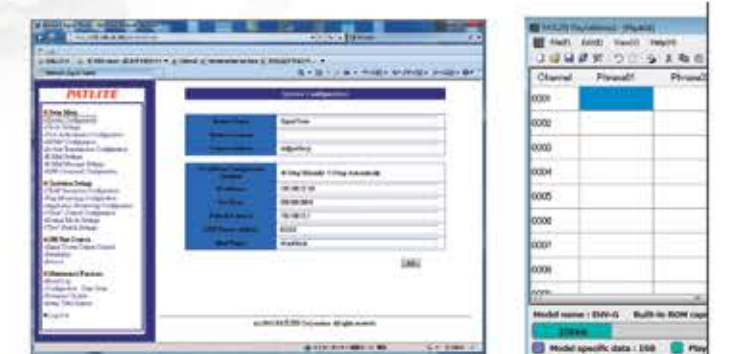
Dimensions (Unit: mm)



“Irregularities detected on the network”

Volume adjustable up to 88dB

Settings and MP3s can be modified via web interface



Audible Alarm Functions

The NH Series comes pre-loaded with four audible alarm tones and three chime tones. The NH-FV comes also pre-loaded with three MP3 voice alerts and stores up to 60 MP3s.

Alarm tones

(Fast intermittent)
(Medium intermittent)
(Slow intermittent)
(Continuous sound)

Chime tones

Chime 1
Chime 2
Chime 3

Voice alerts

“Problem was detected in the network”
“A problem occurred”
“Problem was solved”

MP3 Voice Alerts

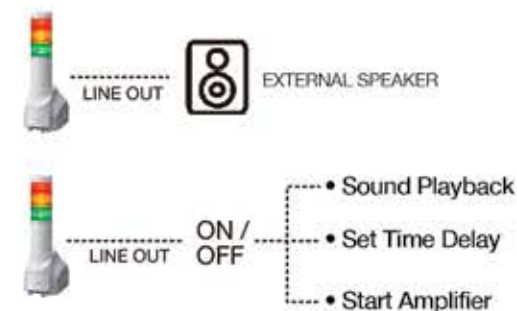
Load the NH-FV with custom MP3 messages to give your network and/or machines a voice.

Loud Alarm

The audible alarm horn is designed with a unique structure that achieves a sound pressure of 88 dB.

Line Out

A digital output can be linked to the Line Out output so that another device, such as an amplifier or beacon, can be activated while the sound plays back. A delay can also be set to the sound trigger.

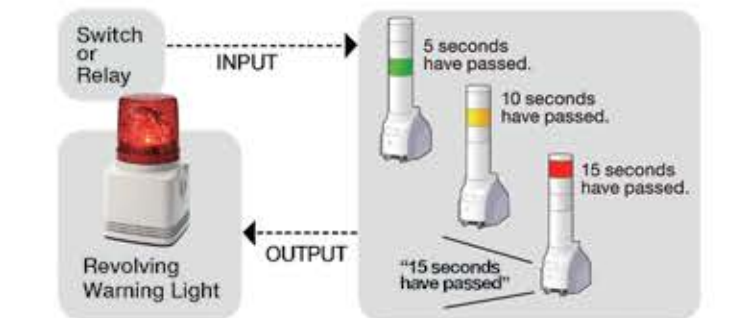


Digital Input / Digital Output Contact Monitoring

The NH-FV is equipped with four digital contact inputs and one digital output.

Example:

An input from a switch relay can trigger a timer function. At preset time intervals, alert functions trigger and send an output to trigger an external device.



USB Flash Drive

A USB flash drive may be used for the following operations:

- Update Firmware
- Download Event Log
- Import/Export Operation Settings
- Edit MP3 Voice Alerts



Network Monitor Signal Tower Series with Audible Alarm

OFF

NH-FB Smart Signal Towers

- Designed to compliment office spaces
- Up to 5 LED units with 2 types of flashing patterns
- 4 audible alarm sound types

NHP-3FB2-RYG

NHL-3FB2-RYG

How to Order

NHL-3FB2N-RYG

- Size
P=φ40
L=φ60
- Tiers
1=1 tier
2=2 tiers
3=3 tiers
4=4 tiers
5=5 tiers
*1 Three tiers only.
- AC Adaptor
Blank=AC Adaptor included
W=AC Adaptor included
Replacement plug included
UL, CCC, VDE, KC, UK
N=AC Adaptor not included
- LED Unit Colors
1=1 tier: R / Y / G
2=2 tiers: RY / RG
3=3 tiers: RYG
4=4 tiers: RYGB
5=5 tiers: RYGBG

LR4 and LR6 Series LED Units

The LR Series supports up to 5 LED units on a single signal tower.

* LED units (LR*-E-) of the same color cannot be connected on the same unit.

Size	Color	Model
φ40		LR4-E-R / Y / G / B / C
		LR4-E-RZ / YZ / GZ / BZ <small>Clear globe</small>
φ60		LR6-E-R / Y / G / B / C
		LR6-E-RZ / YZ / GZ / BZ <small>Clear globe</small>

Options

NH-WST
Wall-mount Bracket

NH-PST
Partition Mounting Bracket

NHL-TF (FOR NHL-FV2/FB2)
NHP-TF (FOR NHP-FV2/FB2)
Dimmer Film

Installation image



Simple Control Interface



- 1) Clear Switch
Clears visual or audible alerts and returns the NHL to the "normal status"
- 2) Reset Switch
Reboots the NHL device
- 3) Test Switch
Cycles through all segments

Dimensions (Unit: mm)

Number of Tiers	1	2	3	4	5
Main unit length (mm)	244	284	324	364	404
Mass (g)	660	720	780	840	900

ADP-001
24V DC 1A
OD5.5mm / ID2.1mm

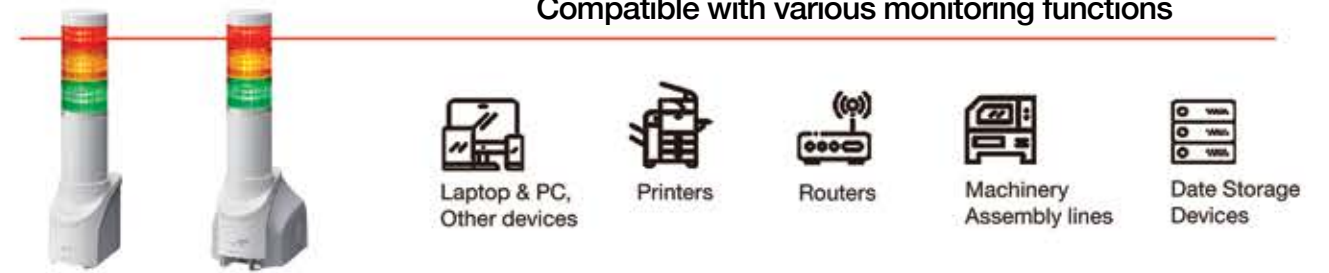
SUPPORT BASE

Partition Mounting Bracket NH-PST (Option)

NH-WST

Monitoring Functions for NH-FV and NH-FB Series

Compatible with various monitoring functions

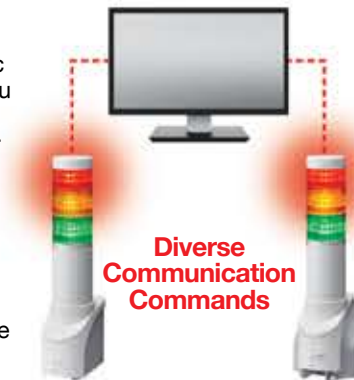


PING Monitoring

Ping up to 24 nodes simultaneously. While Ping is a basic diagnostic tool, the NH Signal Towers is able to notify you based on your priorities. For example, low priority ping response failures may trigger a flashing light, while higher priority failures will trigger an MP3 voice alert and send an email report, in addition to the flashing light.

Application Monitoring

Gain control over your applications and earlier problem detection. Evaluate the performance of standard software and web applications and if an error occurs, the NH Signal Towers promptly alerts you before problems become worse.



Trap Monitoring

As one of the oldest standards for network equipment fault notification, most network devices support SNMP traps. The NH Signal Towers are able to send, receive and analyze trap information and responds and/or notifies you appropriately.

Email Transmission

Send email reports of various network events to up to 8 addresses. The subject and body can be customized and can be automated to be sent in a variety of situations.

HTTP Command

HTTP (Hypertext Transfer Protocol) is an application-layer protocol designed within the framework of the Internet protocol suite.

The NH Series accepts HTTP commands sent through a web browser or PLC to trigger NH Series visual and audible alert functions.

NH-FB / NH-FV Series
Command execution
(Red / Amber / Green Lights on Alarm sounds)
<http://192.168.10.1/api/control?alert=111001>

NH-FB / NH-FV Series
Command Execution
(Perform clear operation)
<http://192.168.10.1/api/control?clear=1>

RSH Command

Remote Shell (RSH), command line program that executes shell commands on remote hosts such as the NH Series.

RSH can be used to automatically run commands based on event information from network management software and various monitoring tools on the NH Series to trigger visual and audible alert functions.

NH-FB / NH-FV Series
(Red / Amber / Green Lights on Alarm sounds)
`rsh 192.168.10.1 -l root alert 111001`

NH-FV Series
Command Execution
(Play the CH10 message)
`rsh 192.168.10.1 -l patlite sound 10`

SOCKET Communication

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

The NH Series 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.

NH-FB / NH-FV Series
Command execution
(Red / Amber / Green Lights on Alarm sounds)
`58H,58H,53H,00H,00H,06H,01H,01H,01H,00H,00H,01H`
(NHL-FV Series cannot play alarm sounds with PHN command)

NH-FV Series
Command Execution
(Play the CH10 message)
`58H,58H,56H,00H,00H,04H,01H,00H,00H,10H`

Compatible with DHCP

Dynamic Host Configuration Protocol (DHCP) is a network management client/server protocol that automatically assigns an IP address to each device on a network so they can communicate with other IP networks.

Easy to Setup/Update

Accessing the NH Series settings or updating the firmware can easily be done through a web browser.

Self-Test Function

With the test switch located on the front of NH Series devices, users can test various functions without having to login to the device through the network.

Interface Converter for Networking PATLITE signaling devices

NBM-D88NN Interface Converter

- 8 discrete input and output channels to add non-networking PATLITE signaling devices to an equipment network.
- Supports SNMP, HTTP, PNS (Developed by PATLITE), Socket Transmission command protocols.
- Email Alerts – Send emails to up to 8 addresses per alert notification.
- Use a web browser to send commands via the Hypertext Transfer Protocol (HTTP).
- Ping up to 24 nodes or devices on your network.
- Built-in "Clear" button for quickly reverting the NBM to its initial status once an alert is confirmed.

Easy to Setup/Update

Access the NBM setup interface by remotely logging into the device's IP address through a web browser.

Users can remotely setup a static IP address, automate digital outputs, update firmware, just to name a few.

Web Settings screen



Options

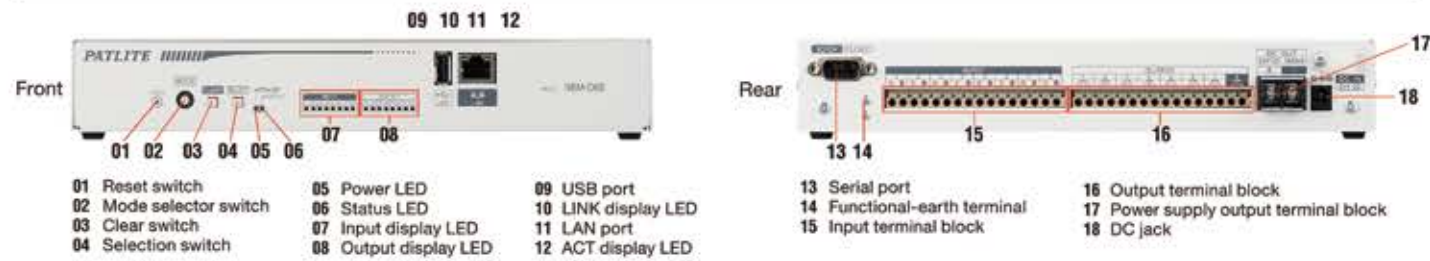
NBM-ANG Option

Angle mounting bracket for server racks



Mounts directly to server racks

Interface



Input and Output Setting Functions



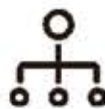
DURATION

An output is triggered based on the length of time an input is triggered.



NUMBER

An output is triggered based on how many times an input is triggered within a time period.



AND

An output is triggered based on a combination of preset inputs being triggered.

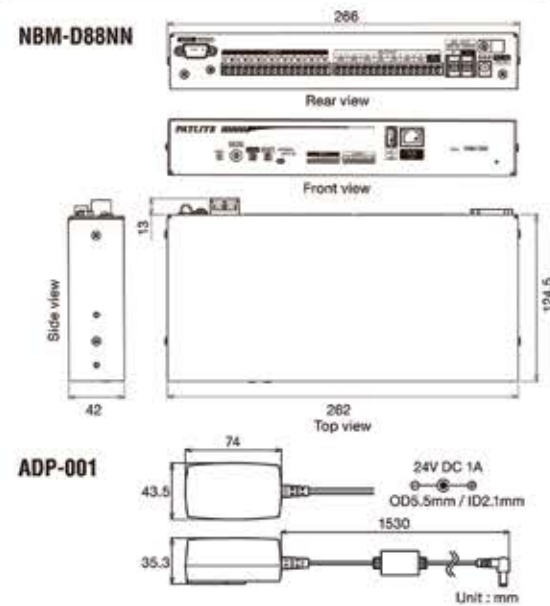


NBM-D88NN Interface Converter

SOLD SEPARATELY
ADP-001 Universal AC Adaptor



Dimensions (Unit: mm)



01

Monitoring Functions

PING Monitoring

Monitor up to 24 nodes on the network

TRAP Monitoring

- Equipped with a SNMP manager
- Can distinguish variable bindings
- Registers 16 groups (1 group, 4 nodes)

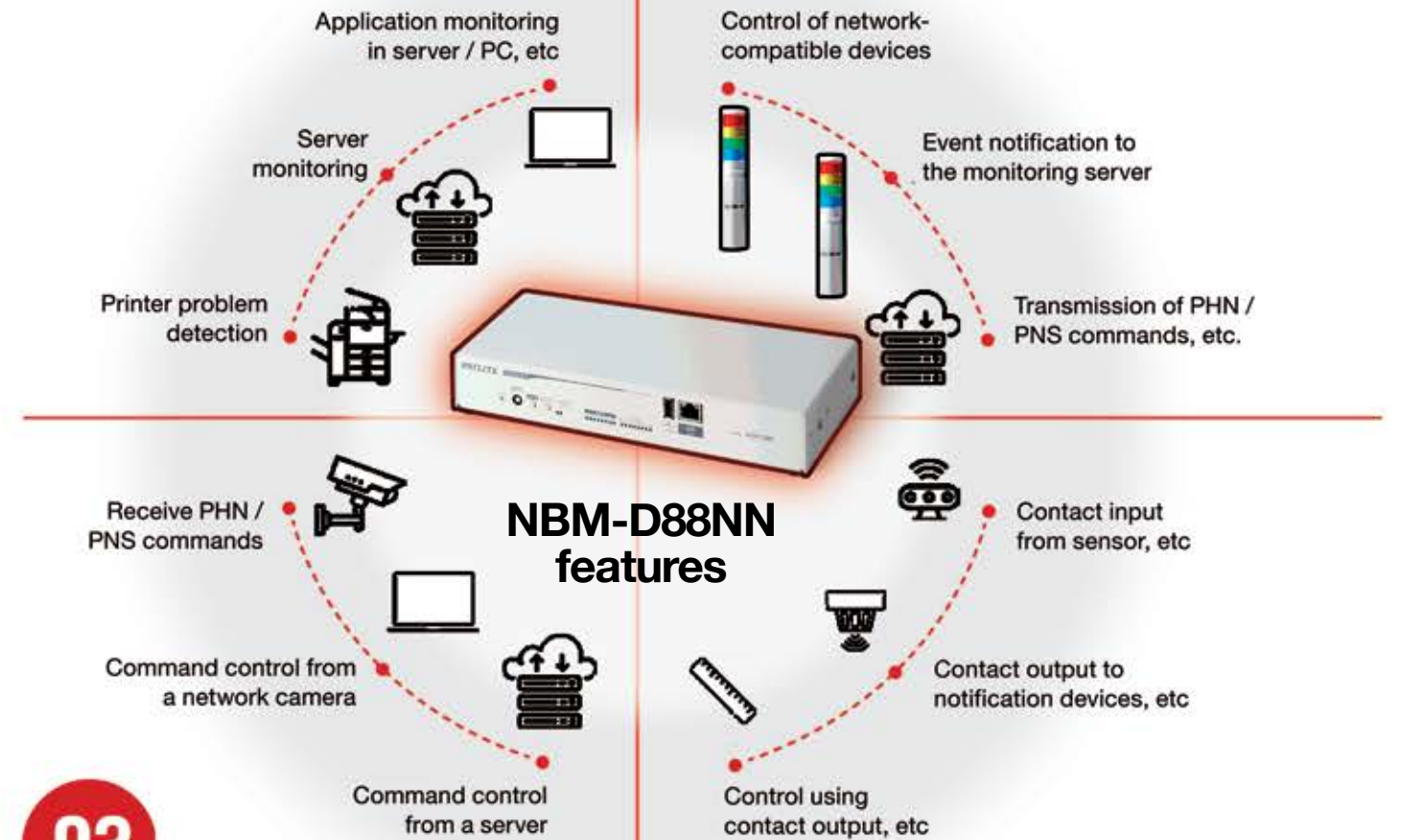
02

Command Protocols

Send RSH command (8 commands)
Create RSH commands for each event

SNMP TRAP transmission (8 transmissions)
Send an SNMP TRAP for each event

SOCKET transmission
Send a command of up to 30 bytes



03

Digital Outputs

Compatible with PHN command

Control digital output with a 2-byte command

Compatible with PNS command

Control digital output by using a PNS command

Compatible with HTTP command

Control digital output with HTTP commands.
Execute command (port 1: ON, port 3: OFF, Other: no operation)
<http://192.168.10.1/api/control?/alert=19099999>

04

Command Protocols

- Control each device with 8 input terminal blocks, 8 output terminal blocks, and contact inputs independently

- Equipped with one 24V DC output

- Contact diverse notification devices such as revolving warning lights and audio equipment

- Obtain logs with USB memory

- Obtain / reflect settings with USB memory

USB Powered and Controlled LED Signal Tower Series

LR6-USB 60mm USB Signal Towers

- PC or HMI controlled
- Powered over USB for single cord installation
- Open architecture for custom programming
- Compatible with Windows® and Linux

Product Features

Simple to Program

Use the included DLL software library to easily develop software to control the LR6-USB Series various signaling functions.

No dedicated driver required

Dedicated driver is not required as it is USB HID class compatible.

Compatible LED units

The LR6-USB Series supports solid color, clear globe, and multi-color LED units.

Color	Model
	LR6-E-R / Y / G / B / C
	LR6-E-RZ / YZ / GZ / BZ Clear globe
	LR6-E-MZ Clear globe Multi color

Options Assembly Type / Pole Mount Bracket

- SZK-003W+FO044** Wall-mount Bracket
- SZP-004K** Upper Bracket
- SZP-004W** Upper Bracket
- SZ-016A** Mounting Bracket
- SZ-010** Mounting Bracket



*Also available in black

Specifications

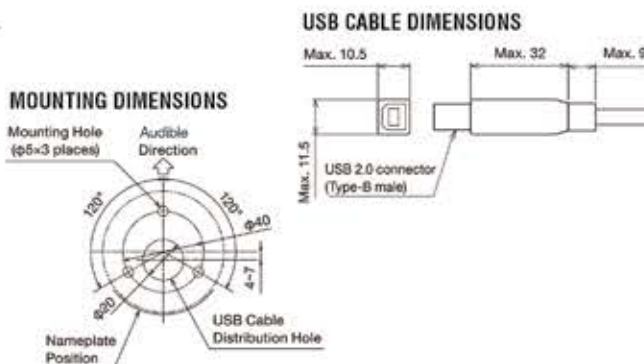
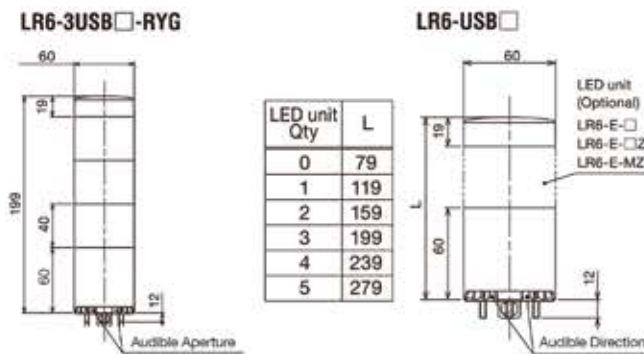
Model	LR6-3USBW/K-RYG (Assembled Product)	LR6-USBW/K (Body Unit)
Protection Rating	IP65 (IEC60529/NEMA TYPE 4X, 13)	
LED Unit Control	Light on/Light off/4 types of flashing patters	
Audible Alarm Control	Select from play/stop 4 patterns/13-scale sound pattern	
Communication Method	USB2.0 Full Speed	
Software	Windows® 7, Windows® 8 (Excluding Windows® RT), Windows® 8.1 (Excluding Windows® 8.1 RT), Windows® 10, Linux	



How to Order



Dimensions (Unit: mm)

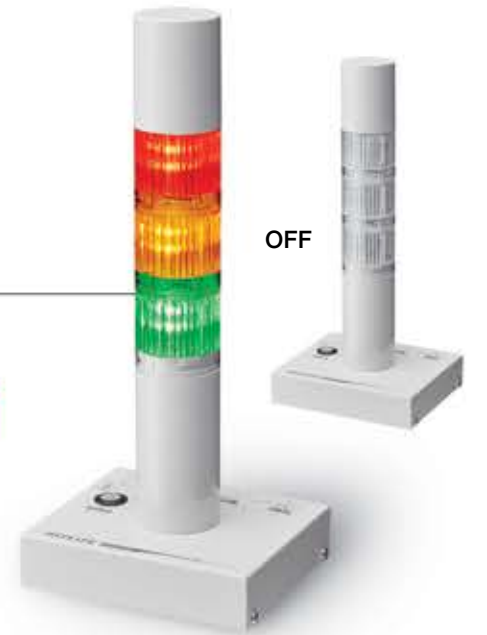
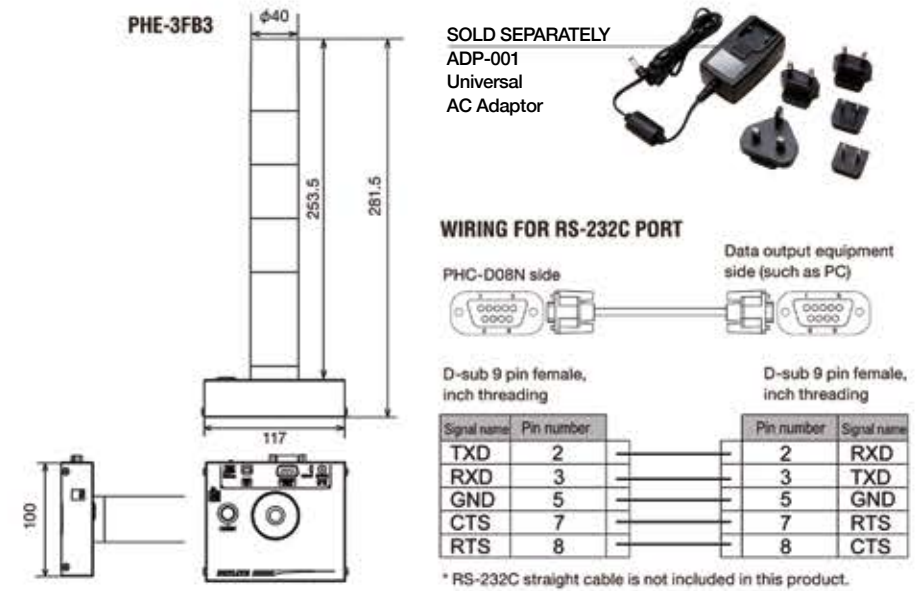


USB / RS-232C Controlled Signal Tower

PHE-3FB3-RYG 40mm Interface Converter Signal Tower

- Signal tower features 3 LED colors and 2 flashing patterns
- Send ASCII commands over USB or RS-232C to control built-in signal tower
- Receive power over USB or a 24V DC supply source
- 4 built-in alarm sounds with adjustable volume up to 80 dB
- Built-in "Clear" button for quickly reverting the PHE to "default state" once an alert is confirmed

Dimensions (Unit: mm)



Options

NHP-TF (FOR PHE-3FB3)
Dimmer Film

Production Site Terminals

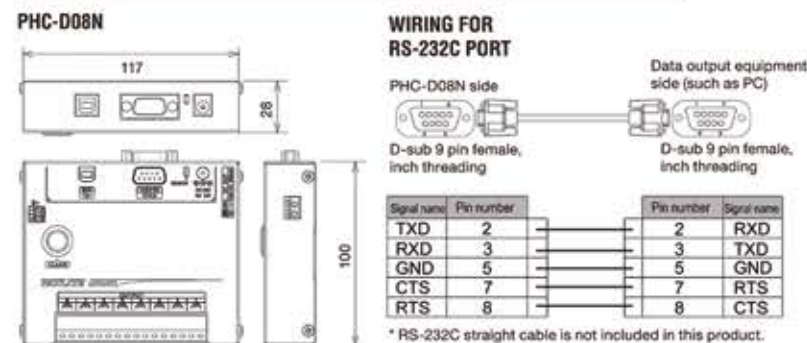
Visualize production status by connecting PHE to PC-based terminals.



PHC-D08N Interface Converter

- Send ASCII commands over USB or RS-232C to control PATLITE signaling devices
- Receive power over USB or a 24V DC supply source
- Built-in "Clear" button for quickly reverting the PHC to "default state" once an alert is confirmed

Dimensions (Unit: mm)



PHC-D08N



SOLD SEPARATELY
ADP-001 Universal AC Adaptor



Network Compatible Products



		LA6-POE	NHL-3FV2 NHP-3FV2	NHL-3FB2 NHP-3FB2	LA6-USB	PHE-3FB3N	
Signal Tower		Ethernet (Compatible with PoE)	Ethernet	Ethernet	USB	RS-232C / USB	
Monitor	PING	Monitoring Node #	-	24 Nodes	24 Nodes	-	
		Abnormality Determination # Setting	-	0 - 30	0 - 30	-	-
		Transmission # Setting	-	1 - 3	1 - 3 (*1)	-	-
	SNMP	Cycle Setting	-	1 - 600 Seconds	1 - 600 Seconds	-	-
		TRAP Reception	-	64 (4 cases x 16 groups)	64 (4 cases x 16 groups)	-	-
		Variable-Bindings Judgement	-	0	0	-	-
Monitoring of SNMP-Compatible Device	-	0	0	-	-		
Notify	EMAIL	SLMP	-	16 Devices	16 Devices	-	
		Send to	-	8 Cases	8 Cases	-	-
		POP Recognition	-	0	0	-	-
	SNMP	SMTP Recognition	-	0	0	-	-
		TRAP Transmission	-	8 Cases	8 Cases	-	-
	Luminescence Pattern Light On / Flashing / Fast Flash	0	0	0	0	0	
	Sound Function	Playback Sound #	0	11	Maximum 70 Types	4	5
			0	-	0	-	-
		Volume	Max.85 dB or more	Max.88 dB or more	Min. 70 dB or less / OFF	Max.80 dB Min. 70 dB	Max.80 dB or more
		Sound Type	Audible Alarm	Voice	Audible Alarm	Audible Alarm	Audible Alarm
		Playback Mode	-	Later input priority playback Memory playback	-	-	-
		Volume Adjustmet	Switching between Loud / Medium / Soft / OFF with SW by setting from Web Browser	Sound Volume Adjustment with analog Vol. Setting from Web Browser	Switching between Loud / Medium / Soft / OFF with SW	Switching between Loud / Soft with SW	Switching On / OFF with slid SW. Switching Loud / Soft with SW. Switching Loud / Soft with Sound Reduction Sheet
BUSY Output	-	0	-	-	-		
Control	SOCKET	HTTP Command	0	0	0	-	
		Modbus / TCP	0	-	-	-	-
		SNMP SET Command	-	0	0	-	-
	RSH Command	PHN Command	0	0	0	-	-
		PNS Command	0	0	0	-	-
	RSH Command	-	0	0	-	-	
	PHU Command	-	-	-	-	0	
Software Library (DLL)	-	-	-	0	-		
Contact Input & Output	Digital Input	4 (*2)	4	-	-	-	
	Digital Output	-	1	-	-	-	
Mounting	Direct mount	0	-	-	0	-	
	Stationary	0	0	0	0	0	
	Wall Mounting	When using SZK-003 W (sold separately) or NH-WST2 (sold separately)	When using NH-WST2 (sold separately)	When using NH-WST (sold separately)	When using SZP-004W, POLE-100/300/800A21, SZ-010 or SZ-016A	-	
	Partition Mounting	-	-	When using NH-PST (sold separately)	-	-	
Others	Pole Mounting	0	-	-	0	-	
		Configuration Setting	Reading	0	0	0	-
	Writing	0	0	0	-	-	
	WEB Browser Setting	0	0	0	-	-	
	Utility Software	EDITOR for LA Series	0	0	0	-	
Conformity Standards	RoHS	0	0	0	0	0	
	CE Mark Compatible	0	0	0	0	0	
	EMC	EN 61000 6-4 EN 61000-6-2 EN55032 Class A EN 55024	EN 55032 EN 55024	EN 55032 EN 55024	EN 61000 6-3 EN 61000-6-2 EN55032 Class B EN 55024	EN 61000-6-4 EN 61000-6-2	
	FCC Part 15 Subpart B	Class A	Class A	Class B	Class B	Class A	
	UL	0	0	0	0	0	
	KC	0	0	0	0	0	
Rated Voltage	48V DC (PoE) / 24V DC	24V DC	24V DC	USB bus power 5V DC	Main Unit: 24V DC USB bus power: 5V DC		
Outer Dimension (mm) W x D x H	428 x 145 x 145 (stationary) 405 x 60 (direct mounting)	NHP: 113 x 154 x 336 NHL: 113 x 154 x 336	NHP: 69 x 126 x 324 NHL: 69 x 126 x 324	60 x 60 x 199 (3 Tiers type)	100 x 117 x 281.5		
cUL or CSA	0	0	0	0	0		

		NBM-D88NN	PHC-D08N	
Interface Converter		Ethernet	RS-232C / USB	
Monitor	PING	Monitoring Node #	24 Nodes	
		Abnormality Determination # Setting	0 - 30	
		Transmission # Setting	1 - 3	
	SNMP	Cycle Setting	1 - 600 Seconds	
		TRAP Reception	64 (4 cases x 16 groups)	
		Variable-Bindings Judgement	0	
Application Monitoring	0	-		
Notify	Send to	8 Cases	-	
		POP Recognition	0	
		SMTP Recognition	0	
	RSH Command Transmission	8 Cases	-	
SNMP TRAP Transmission	8 Cases	-		
Control	SOCKET	HTTP Command	0	
		RSH Command	0	
	SNMP SET Command	0		
	PHN Command	0		
PNS Command	0			
Mounting	Stationary	0	0	
	Rack Mounting	0 (When using NBM-ANG [sold separately])	-	
Contact Input & Output	Digital Input	8	-	
	Digital Output	8	8	
	Digital Input Detection Function	ON / OFF Operate Independently	0	-
		Digital Output ON Control	0	-
Others	Configuration Setting	Digital Output OFF Control	0	
		Reading	0	
Writing	0			
WEB Browser Setting	0	-		
Conformity Standard	RoHS	0	0	
	CE Mark Compatible	0 (without AC Adaptor)	0 (without AC Adaptor)	
	EMC	0 (EN 55032, EN 55024)	0 (EN 61000-6-4, EN 61000-6-2)	
	FCC Part 15 Subpart B	Class A	Class A	
	UL	0	0	
KC	0	-		
Rated Voltage	Main Unit: 24V DC AC Adaptor: 100V AC - 240V AC (ADP-001)	Main Unit: 24V DC USB bus power: 5V DC AC Adaptor: 100V AC - 240V AC (ADP-001)		
Outer Dimension (mm) W x D x H	262 x 124.5 x 42	117 x 100 x 28		
cUL or CSA	0	0		

*1 Only between 13 - 24 nodes.

*2 Contact input detection function can be used only when using command control method. Please see the web manual for details.