

PATLITE Corporation

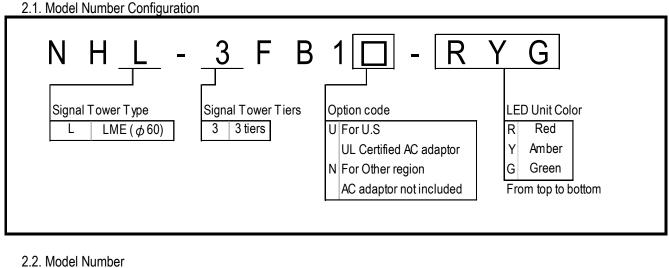
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1. General Specifications

Mode		NHL-3FB1U-RYG	NHL-3FB1N-RYG					
UL registratio	n model	NHL-3FB1U-RYG	NHL-3FB1N-RYG *1					
Rated Voltage		24VDC (N	/lain Unit)					
		Input: 100VAC - 240VAC (50/60Hz)						
	AC Adaptor	Output: 24VDC						
Operating Volta	ige Range	Rated Voltage ±10%						
Inrush Cu	ront	AC adaptor (at full load)	224 (24) (DC)					
iniusii Cui	Tent	30A (100V AC), 60A (230V AC)						
	Main Unit	Standby : 2.0W Maximum : 4.0W	(with AC Adaptor, 100VAC input)					
Rated Power	Red	1.0 W						
Consumption	Amber	1.0 W						
	Green	0.8						
Operating Ambient	Temperature	∽ 3°0						
Operating Ambie	nt Humidity	20% - + 80% RH (No						
Storage Ambient	Temperature	- 10 °C ~						
Storage Ambier		20% - + 80% RH (No	Dew or Condensation)					
Mounting Lo		Indoo	r Only					
Mounting Di		Upr						
Protection I	Rating	IP	20					
Vibration Res	sistance		m/s ²					
Insulation Re	sistance	More than $1M\Omega$ at 500VDC between live part						
		and non-current carrying metallic part.						
Withstand Voltage		1000VAC (10mA or less) applied for 1 min						
		between live part and non-current carrying						
		metallic part without breaking insulation.						
Luminous In		Red: 960mcd or more Amber: 900m	cd or more Green: 1070mcd or more					
Mass (Toleran		800) a					
(AC Adaptor not include)			•					
Outer Dime		Refer to the Outer I						
Sound Pressu		High: 80dB or more Low: 70dB or less (at 25°C)						
	Environmental	Front direction from the center, at 1m, with 'A' weighting.						
Condition								
Communication		Ethernet (Conforms to IEEE 802.3)						
(LAN)		10BASE-T / 100BASE-TX (Auto negotiation, Full Duplex / Half Duplex)						
Operating p	ortion	"Volume" Switch, "Reset" Switch, "Clear" Switch, "Test" Switch						
Accesso	ries	AC Adaptor *2, Quick-start Operation Manual,						
		Rubber feet (4 pcs.), Adhesive seal, Support Base, Screws (3 pcs.)						
Optior	า	Wall Bracket (NH-WST), Parti						
		RoHS Directiv	· · · · ·					
Conformity Standards		EMC Directive (EN 55032, EN 55024)						
		FCC Part 15 Subpart B Class B						
		UL Listed (File No.24210)						
		KC mark (Korea Ce	ertification mark) *3					
		Conforms to the CE Requirements						
		*1 When using AC adaptor is required to conform to the standard.						
Remar	k	AC adaptor output current : 1A max						
Kenta		*2 Only U type.						
		*3 Only N type.						

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2. Model



●NHL-3FB1U-RYG

Signal Tower : φ 60 • 3 Tiers, LED Unit Color : (From top to bottom) Red • Amber • Green AC adaptor : UL Certified.

●NHL-3FB1N-RYG

Signal Tower : φ60 • 3 Tiers, LED Unit Color : (From top to bottom) Red • Amber • Green

AC adaptor : Not included.

3. Action Specification

3.1. Information (Main Unit)

Signal	Tower	Lighting pattern for each color LED units,
		such as continuous lighting, flashing pattern 1, and flashing pattern 2.
	Flashing pattern 1	ON (500ms), OFF (500ms) (repeated)
	Flashing pattern 2	ON (80ms), OFF (170ms), ON (80ms), OFF (670ms) (repeated)
Buzze	ſ	Four kinds of buzzer sounds, such as buzzer pattern1, 2, 3, and 4.
	Buzzer pattern 1	ON (250ms), OFF (250ms) (repeated)
	Buzzer pattern 2	ON (500ms), OFF (500ms) (repeated)
	Buzzer pattern 3	ON (250ms), OFF (50ms), ON (200ms), OFF (550ms) (repeated)
	Buzzer pattern 4	ON (continuous)

3.2. Information (Network)

Mail Tr	ansmission	When an event occurs, an e-mail message is transmitted to the registered address.					
	Number of Mail Addresses	4					
	Authentication protocol	POP before SMTP, SMTP_AUTH					
	Security	SSL, TLS, none					
SNMP	TRAP Transmission	When an event occurs, TRAP transmission can be executed.					
	Number of Transmissions	8					
	Version	v2c					
SLMP	Write Command	When "Clear operation" occurs, SLMP Write Command can be executed.					
	Number of Transmissions	4					
	Protocol	SLMP (The same format as the QnA compatible 3E and 4E frame of MC protocol) TCP / UDP					

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4. Function Specification

RSH Comman	d			Contro	ollable with R	SH Comman	d.	
HTTP Comma	nd			Contro	llable with HT	TP Commar	nd.	
Socket Comm	unication		Cont	trollable with	PNS Comma	and and PHN	Command.	
SNMP Comma	and			Controllat	ole with SNMF	"set" Com	nand.	
Versio	n				v1 / v2	lc		
"Clear" Switch		С	lear operation	is possible l	by depressing	the "Clear"	switch on the	main un
					ontrollable Act			
	Comm		Signal Tower	Buzzer	e-mail	TRAP	SLMP	
	RSH Cor		~	v	✓ *1	✓ *1	-	
	HTTP Co	mmand	~	~	-	-	-	
	Socket	PNS	~	~	-	-	-	
		PHN	△ *2	∆ *3	-	-	-	
	SNMP Co	~	~	-	-	-		
	"Clear" S	Switch	~	✓ *4	~	-	~	
*2 : Signal T	e used when e-n ower "Red", "Ar pattern1 and Bu	nber" and "G	Green", and Fla			Configuratio	on.	

4.2. External Monitoring Function

		g Function		ormality	detection by	/ sending	Ping network de	evices.		
•	Number	of Monitoring Setups		24						
	Monitor	ing Cycle	60 sec	60 seconds (Fixed) : 12 Devices 1 - 600 seconds (Variable) : 12 Devices						
	Sending	g Count		The	number of ti	mes to de	tect can be set i	from 1 to 30.		
		r of Sending PINGs	The				e monitoring ca 1 - 3 (Variable)		1 to 3.	
Applica	ation Mo	nitoring Function	External dev	vices abr	normality det	ection by ı	eceiving the da	ta from them		
	Number	of Monitoring Setups					4			
	Monitor	ing Cycle				1 - 600	seconds			
SNMP	TRAP R	leception Function	TRAP Rece	ption det	ection.					
	Version]		v1 / v2c						
	Numbe	r of Receptions		64						
	variable	e-bindings	2 OID per 1 TRAP Reception							
SLMP Read Command Number of Monitoring Setups			Detects the status change of the PLC device information.							
			16							
	Transm	ission Interval		10ms / 50ms / 100ms						
Protocol			SLMP (Th	SLMP (The same format as the QnA compatible 3E and 4E frame of MC protocol TCP / UDP					MC protocol)	
					Executa	ble action	at detection]	
		Monitoring	Signa	al Tower	Buzzer	e-mail	TRAP	SLMP		
Ping Monitorir		ng	~	~	v	 ✓ 	-]		
		Application Monit	oring	~	✓	~	 ✓ 	-		
		TRAP Reception	on	~	✓	~	 ✓ 	-		
SLMP Read Com		mand	v	~	v	 ✓ 	-]		

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RSH Command The main body status can be acquired by the status acquisition command. Socket Communication Status acquisition available with PNS Command and PHN Command. SNMP Command Status acquisition available with SNMP "get" Command. Version v1/v2c By executing CGI, the main body status can be acquired in XML data format. HTTP Communication Download main unit status and event log with web browser. Web browser Main Unit Status : XML format file Event Log : text format file Acquisition data Signal Tower Buzzer Command **RSH** Command 1 1 ~ PNS 1 Socket PHN ✓ *1 ✔ *2 SNMP Command ~ ~ ~ V XML format file *1 : Signal Tower "Red", "Amber" and "Green", and Flashing pattern 1. *2 : Buzzer pattern 1 and Buzzer pattern 2.

4.3. Main Unit Status Acquisition Function

4.4. Main Unit Setting Function

Time Correction Function	The internal clock in this product can communicate with an NTP server					
	to automatically correct the time.					
Automatic Network Setting	Network setting in this product can communicate with a DHCP server					
Automatic Network Setting	to automatically configure.					
Standard Action Setting	This product can set lighting color of the Signal Tower after clear operation is executed.					
Self-test Function	Self test of Signal Tower and buzzer is possible					
Sell-lest Function	with test switch of the main body and the RSH command.					
Config Setting	Various settings of the main body can be read and written as setting file.					
Main Unit Setting	Various settings of the main body can be done with a web browser.					
Setting Supported languages	Japanese, English, Traditional Chinese					

