

# LR5-502WEBW-RYGBC

① ② ③ ④ ⑤ ⑥

- ① **Tiers**  
= 0 tiers  
1 = 1 tier  
2 = 2 tiers  
3 = 3 tiers  
4 = 4 tiers  
5 = 5 tiers
- ② **Rated Voltage**  
02 = 24V DC
- ③ **Mounting / Communication Specification**  
WE = Direct mounting / Ethernet Control  
LE = Pole Mounting with L-bracket / Ethernet Control
- ④ **Buzzer**  
B = With Buzzer  
N = No Buzzer
- ⑤ **Body Color**  
W = Off-White
- ⑥ **LED Color**  
R = Red  
Y = Amber  
G = Green  
B = Blue  
C = White

Tiers	Direct Mounting with 3-point screw		Pole Mounting with L-bracket	
	No Buzzer	With Buzzer	No Buzzer	With Buzzer
0 tiers	LR5-02WENW	-	LR5-02LENW	-
1 tier	LR5-102WENW-R/Y/G	LR5-102WEBW-R/Y/G	LR5-102LENW-R/Y/G	LR5-102LEBW-R/Y/G
2 tiers	LR5-202WENW-RY/RG	LR5-202WEBW-RY/RG	LR5-202LENW-RY/RG	LR5-202LEBW-RY/RG
3 tiers	LR5-302WENW-RYG	LR5-302WEBW-RYG	LR5-302LENW-RYG	LR5-302LEBW-RYG
4 tiers	LR5-402WENW-RYGB	LR5-402WEBW-RYGB	LR5-402LENW-RYGB	LR5-402LEBW-RYGB
5 tiers	LR5-502WENW-RYGBC	LR5-502WEBW-RYGBC	LR5-502LENW-RYGBC	LR5-502LEBW-RYGBC

Option	Direct Mount	Pole Mount
LR5-E-□	✓	✓
LR5-BW	✓	✓
WDT-5LR-Z2	✓	✓
SZK-002W	✓	-
SZK-001W	✓	-
SZW-002W	✓	-
SZK-001U	-	✓
SZ-010	-	✓
SZL-001	-	✓
ADP-001C	✓	✓

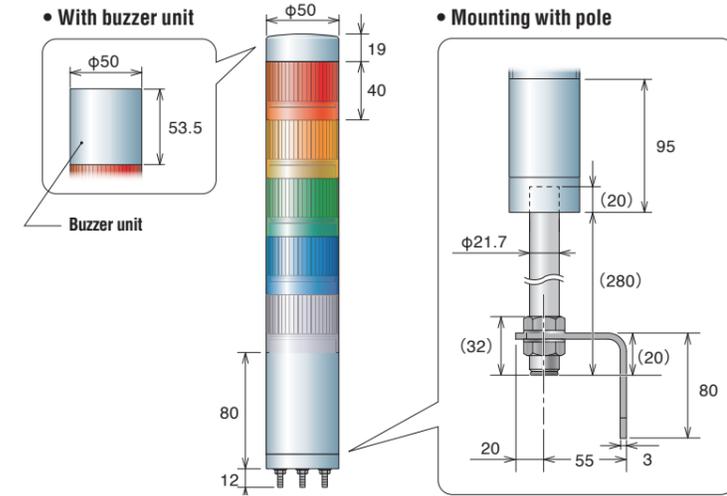
**Note:**  
 • Custom color configurations available. (Configurations using the same color LED modules cannot be controlled separately)  
 • Poles are not sold separately.

Please check the instruction manual for details.

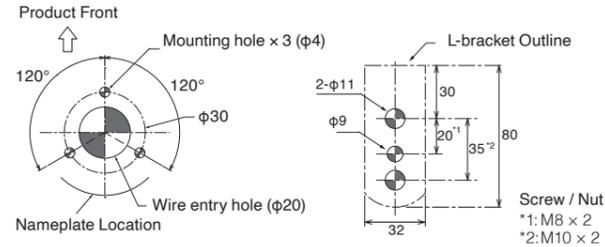
## Specifications & External Dimensions

(Unit: mm)

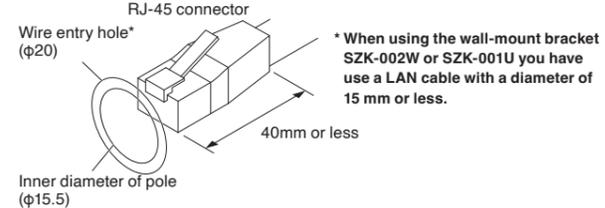
### ■ LR5-□02WE / LR5-□02LE Series



### ■ Mounting dimensions

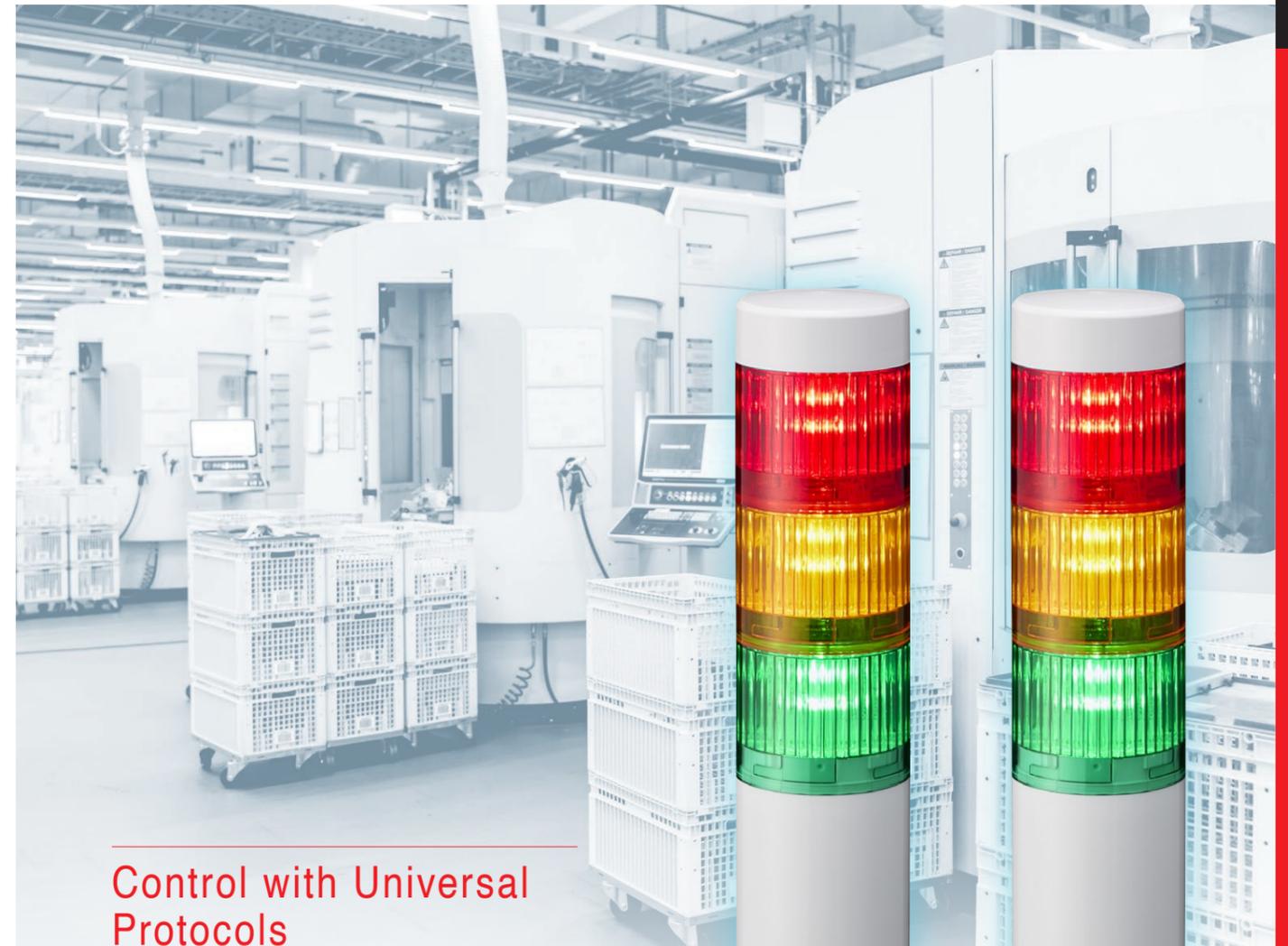


### ■ LAN Cable RJ-45 Connector Recommended Size



Model Code	LR5-□02WE□W (Direct Three-point Screw Mount)	LR5-□02LE□W (Pole Mount with L-bracket)
Rated Voltage	24V DC (Polarized)	
Operating Voltage Range	Rated Voltage ± 10%	
Ambient Temperature / Ambient Humidity	-20°C~+50°C / 90% RH or less, no freezing, no condensation	
Protection Rating	IP65 (IEC 60529)	IP54 (IEC 60529)
Mass (Tolerance: ±10%)	0.1kg + (0.04kg)×Tiers + [0.05kg] (Using the Buzzer)	0.39kg + (0.04kg)×Tiers + [0.05kg] (Using the Buzzer)
Network Communication Format	Ethernet (IEEE802.3 Conformity) 10BASE-T/100BASE-TX (Auto-MDI/MDI-X)	
Communication Protocol	HTTP(S), Modbus/TCP, SOCKET	

# Simple Settings for Easy Control



## Control with Universal Protocols

Easily operated using HTTP(S) and Modbus/TCP protocols

## PATLITE Corporation

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PATLITE UK LTD

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### 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.



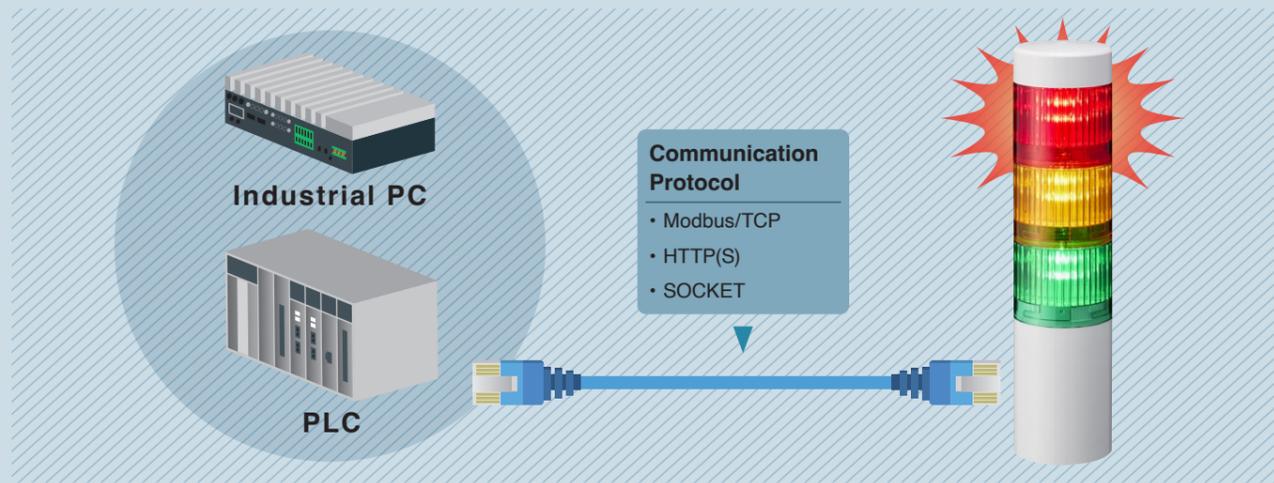
# Direct LAN Control from Industrial PCs/PLCs Makes Configuring & Signaling Easy

## Before

In an industrial PC-controlled system, a contact output board was being used, leading to an increase in component count and complications in inventory and delivery management.

## After

With direct control of signal towers via HTTP(S) or Modbus/TCP, the need for a contact output board has been eliminated.



## Control with Industrial PC/PLC



Command control directly from Industrial PCs or PLCs. Eliminate the need for contact output boards and reduce the number of required contact points.



## Notification from Higher-Level Systems

SCADA and production management systems can display status and alerts using standard protocols. By visualizing alerts not only on monitors, but also through signal towers (which are common in manufacturing environments), the operators can quickly grasp information and prevent oversights.



## Simple Software Design

### Command Generation Feature

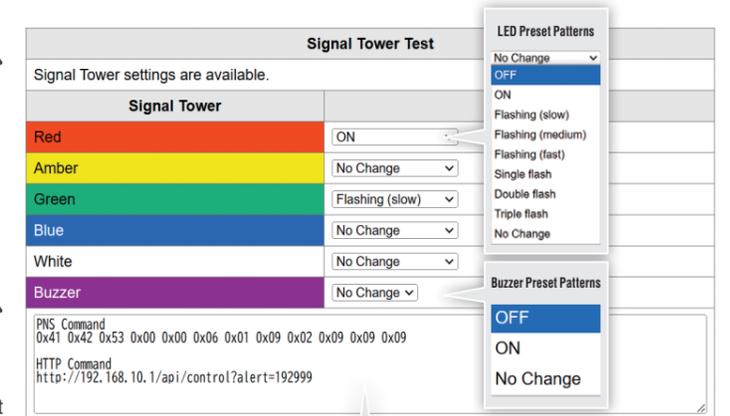
After logging into the LR5-LAN via a web browser, select the desired operation from the setting screen to display the corresponding command. This allows for easy command verification without the need to read the user manual, reducing time spent on software development.

### Sample Source Code

Sample source code for operating the LR5-LAN is available on the product's web page. Various programming languages are provided for Windows® and Linux, allowing you to quickly test it using your preferred or project-specific language.

### Comprehensive Flashing Presets

Seven preset patterns for LED control are available. Since Flashing operations can be executed through command control alone, it reduces the effort required for setting clock pulses in PLCs.



For example, if you select "Red ON" and "Green Flashing" on the screen, a command will be generated as shown below:

■ PNS Command (SOCKET)  
 0x41 0x42 0x53 0x00 0x00 0x06 0x01 0x09  
 0x02 0x09 0x09 0x09

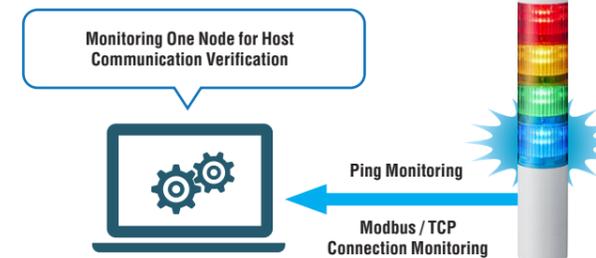
■ HTTP Command  
 http://192.168.10.1/api/control?alert=192999

Check Actual Operation

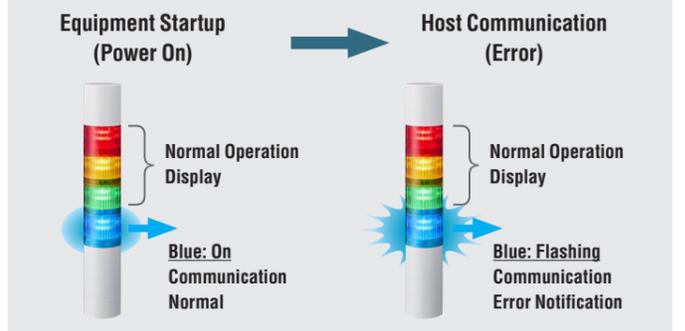


## Host Device Connection Verification Function

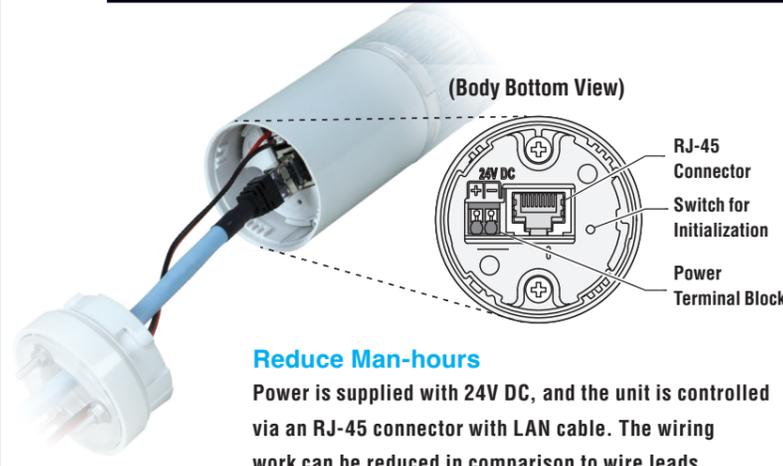
The connection with the device can be checked. If the connection is lost, the LED unit provides a notification, enabling host-to-host Ping monitoring.



## Monitoring Example



## Reduce Wiring Labor



## Easy Setup

By using the optional ADP-001C, power can be supplied from an AC outlet. Even if 24V DC is not available, the ADP-001C can easily be implemented without construction.