

# Easy Remote Notification with Wireless Control Unit



**OUTPUT**

**INPUT**





# No PC or Software Required!

## Reliable Wireless Communication with Bluetooth® Long Range

Wireless coverage of up to 100 meters in line of sight, with a relay function enabling long-range communication of up to 400 meters!

### 1 Alerting to Rotating Lights, Indicator Lights, Voice Synthesis Alarms, and more!



### 2 Mirror Device Status with Added LED Units!



**Safety Precautions**

For equipment and devices where there is concern about serious accidents that could affect human life or property, please refrain from use. In facilities where medical telemetry equipment is used, there is a possibility of malfunctions or interference due to radio waves, so please be cautious. When using this product in equipment, machinery, control systems, etc., and designing the system, please consider redundancy. Please use this product correctly after fully understanding the precautions described in this manual and the user manual.



# Simple Notification System

## Plug & Play for Easy Start

Pairing is complete when the power is turned on. No setup is required, and you can start using it immediately. The wireless range is up to 100 meters in line of sight.

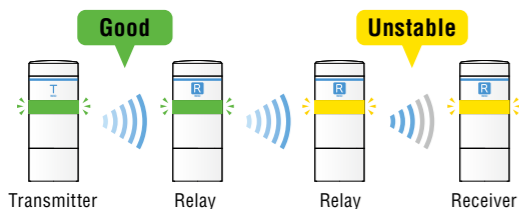


## Reliable Wireless Communication

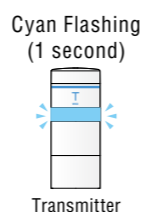
Utilizing Bluetooth® Long Range communication, ensuring stable long-distance communication.

You can check the communication status with indicator colors.

### Communication Status



### Answer Back

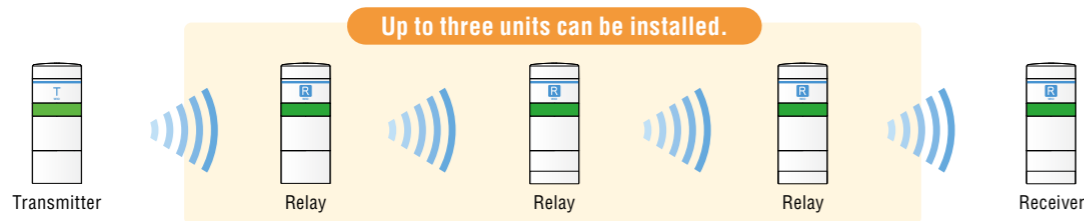


(Except for communication disconnect, indicated by a peach-colored continuous on)

## Relay Function

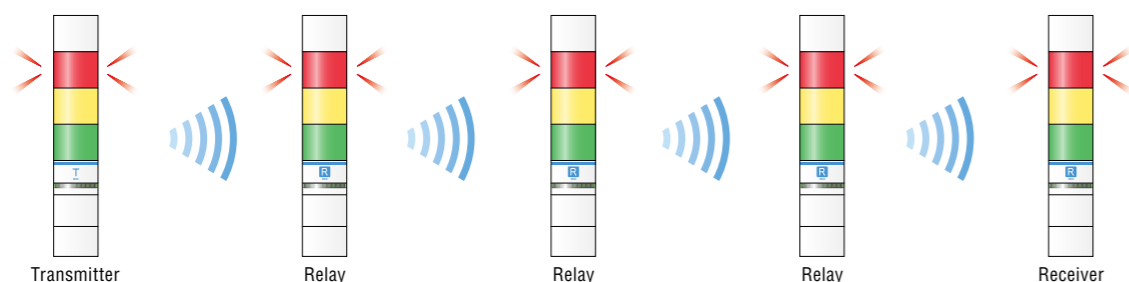
You can use the receiver as a relay\* to extend the wireless range up to 400 meters.

\*Switchable via the receiver's slide switch



### Other Usage Suggestions

You can also use the relay function to have the same output capability as the receiver.



## Easy Setup

You can easily configure settings with the main unit's settings switch.

### Group ID Configuration

You can operate up to 8 groups within the same area.

### Input Logic Switching

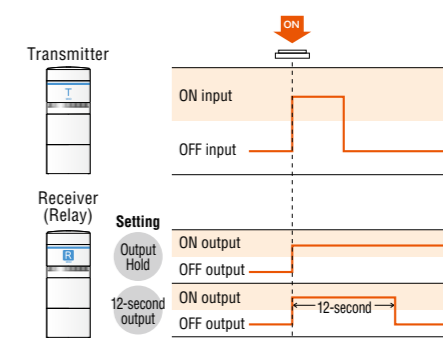
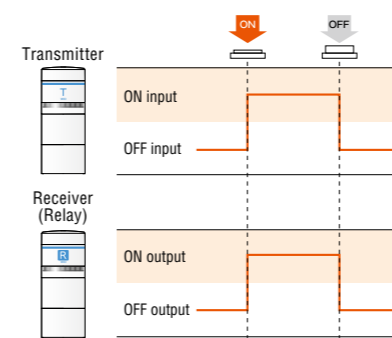
Selectable between A Contact Input / B Contact Input.

### Level Mode

You can synchronize the receiver or relay's ON/OFF output with the transmitter's ON/OFF input.

### One-Shot Mode

You can set the receiver's output hold time (output hold / 12-second output).



## Connectable Notification Devices

### For connection with light

SKS-M1	SKH-M1	SKP-M1
SF-M1	SL-M1	LFH-12
LFH-24	RLR-M1	LR10-02
LA6-D	NE-A	NE-M1ATB-M

### For connection with sound or a buzzer

BSV-N	BD-24A
BDV-15JF	BK-24A
BKV-31JF	EHS-M1
EHV-M1	

### For connection with both light and sound

LKEH-02	LKEH-02FV
RT-24*	RT-24VF*
RFT-24	RFV-24F



\*AC adapters (PWS-AD, ADP-001C) cannot be used as power input.

▲The products listed here have wiring examples in the user manual.

### No-Voltage Contact Output

Max Voltage: 35V DC  
Max Current: 250mA

### Relay Output, 1a Contact

Contact Rating: 30V DC, 3.0A

# Improvement Examples

## Call for action system

### Customer Challenges

When abnormal stoppages occur that operators cannot handle, it takes too long to call maintenance personnel who are not nearby.

### Suggested Recommendations

You can use wireless communication to call remote maintenance personnel in real-time.



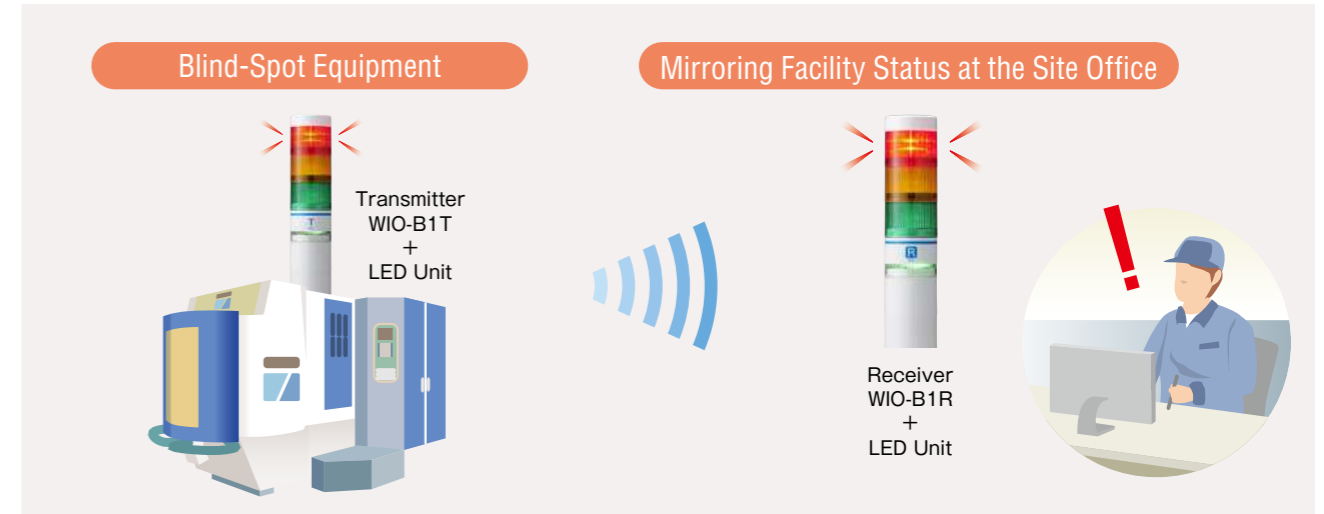
## Visualization of Equipment in Blind Spots

### Customer Challenges

The operating status of equipment in blind spots from the field office cannot be confirmed, leading to delayed detection of processing completion or equipment stoppage, reducing productivity.

### Suggested Recommendations

You can add signal lights linked to equipment in visible locations from the field office via wireless communication, enabling immediate action.



## Abnormal Notification for Utility Equipment

### Customer Challenges

Abnormalities in utility equipment located in inconspicuous areas of the factory are difficult to notice, and they only become apparent when they affect production equipment.

### Suggested Recommendations

By using relays to extend the wireless range, cost-effective remote notifications to distant offices become possible.



## Safety Measures for Conveyance Equipment in Product Storage and Conveyance Operations

### Customer Challenges





Pedestrians may not be aware of the approaching conveyance equipment, leading to a risk of collision between pedestrians and the conveyance equipment.

### Suggested Recommendations

When conveyance equipment passes through a sensor, it is possible to alert pedestrians with both sound and light, thereby preventing accidents in advance.



# Specifications

	Transmitter	Receiver (Relay)	Receiver + LED Unit	Andon Kit
				
Model	WIO-B1T	WIO-B1R	WIO-B1R-RYG	WIO-B1S-001
Rated Voltage	12-24V DC (24V DC when LED unit or buzzer unit is installed)			
Input/Output	7 points (1 point dedicated to buzzer)/None	1 point/5 points (no-voltage contact output) 1 point (relay output)	1 point/5 points (no-voltage contact output) 1 point (relay output)	Transmitter: 7 points (1 point dedicated to buzzer)/ None Receiver: 1 point/5 points (no-voltage contact output) 1 point (relay output)
Protection Rating	IP65 (IEC 60529), TYPE 4X,13 (NEMA, UL50E) Upright			
Main Body Dimensions/ Mounting	Φ60×Height 147mm/M4×3 points			
Mounting Location/Direction	Indoor/Upright			
<b>Wireless Specifications</b>				
Communication Standard	Bluetooth® 5.0(Bluetooth Low Energy)			
Communication Range	Line of sight approximately 100m (reference value)			
Communication Configuration	Transmitter:Receiver = 1:1			
Group ID Configuration	Up to 8 groups can be configured			
Relay Function	-	✓ (up to 3 units/1 group)		

# Optional Parts

Desktop Platform  
SZW-003W



LED Unit  
LR6-E-R/Y/G/B/C



LED Unit (Clear Lens)  
LR6-E-RZ/YZ/GZ/BZ



Wall Mounting Bracket  
SZK-003W、SZK-001U\*1

Threaded Poles  
POLE22-□AT、POLE22-□AN (Usable only when installed with SZP-003W.)  
Choose from 100 or 300.

LED Unit (Multi Color)  
LR6-E-MZ



Buzzer Unit  
LR6-BW



Universal AC Adapter  
ADP-001C\*4



Circular Multi-Pitch Bracket  
SZP-001W\*2、SZP-002U\*2、SZP-003W\*2、SZW-001W

Folding Bracket  
SZQ-001W\*2

L-bracket  
SZL-001\*3

Desktop Platform  
SZW-002W

\*1 Used only when mounted on POLE22-□AT, POLE22-□AN

\*2 Used only when mounted on POLE22-□AN

\*3 Used only when mounted on POLE22-□AT

\*4 Comes with a global-compatible conversion adapter.

Promotion video and  
Installation Manual



Promotion Video



Installation Manual

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● Please note that dimensions, specifications, etc., as stated in the catalog, may be subject to change without prior notice. For the latest information, please be sure to check the specifications document, etc. ● Wiring codes, fuses, screws, etc., in wiring diagrams are not included unless specifically mentioned. ● Performance specifications stated in the catalog may not be met depending on installation conditions. ● The product's color may appear different from the actual color due to printing. ● PATLITE, Patlite, and product names are registered trademarks or trademarks of Patlite Corporation. \*Company and product names mentioned are registered trademarks or trademarks of their respective companies. ● Bluetooth® and Bluetooth Low Energy are trademarks or registered trademarks of Bluetooth SIG, INC. in the United States and other countries.

## 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.