

# Easy Remote Notification with Wireless Control Unit



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

Automatic pairing of the transmitter and receiver 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.

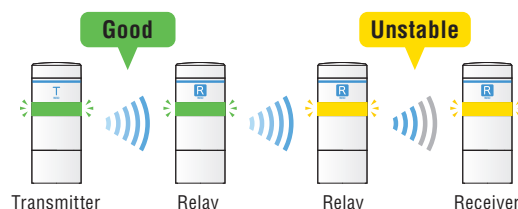


## Reliable Wireless Communication

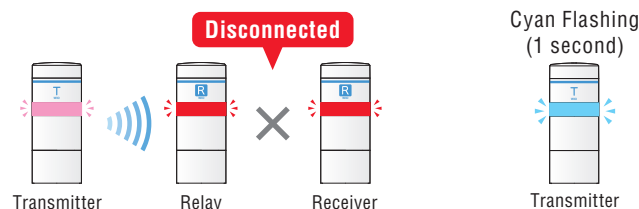
Utilizing Bluetooth® Long Range communication, to ensure stable long-distance communication.

You can check the communication status with indicator colours.

### Communication Status



### Answer Back



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

## Relay Function

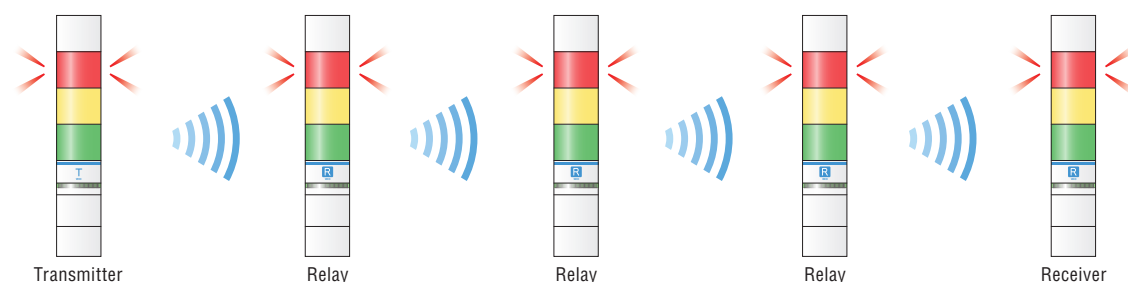
You can use the receiver as a relay\* to extend the wireless range up to 400 meters.

\*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.

### Level Mode

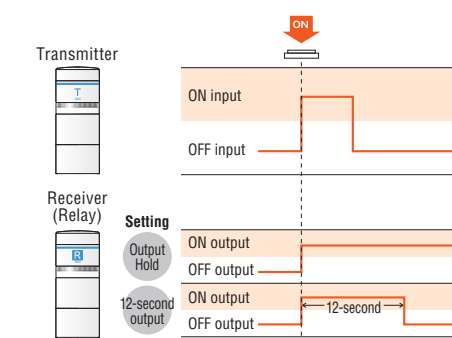
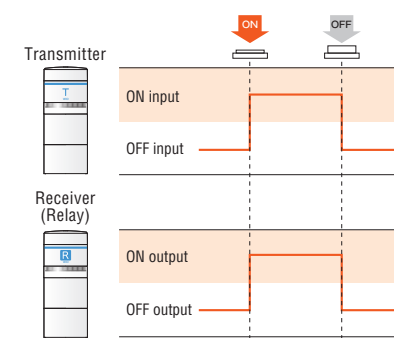
You can synchronize the receiver or relay's ON/OFF output with the transmitter's ON/OFF input.

### Input Logic Switching

Selectable between A Contact Input / B Contact 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

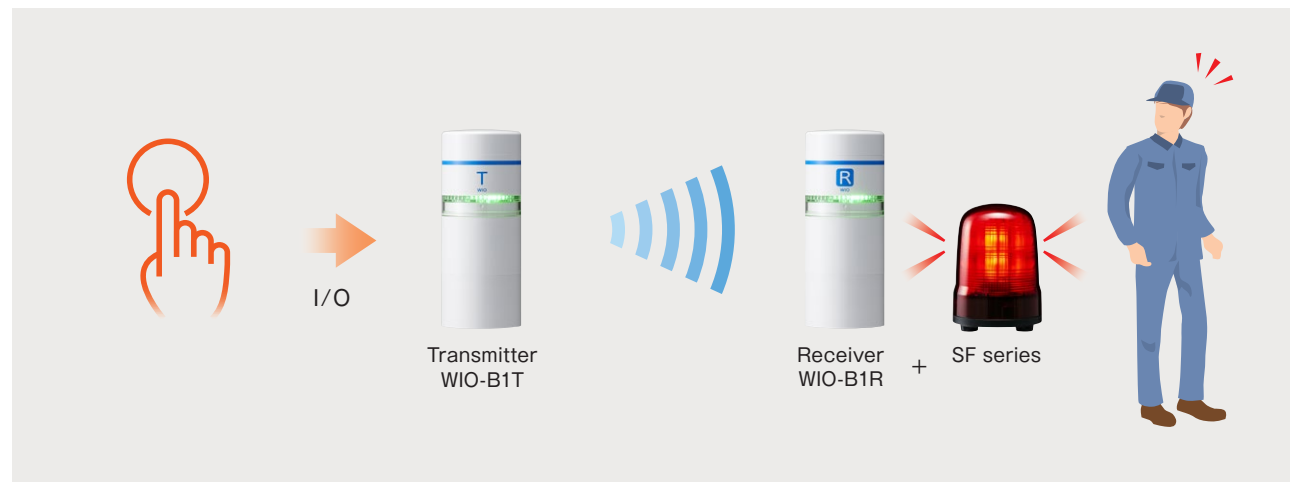
## Call for action system

### 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.



## 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.



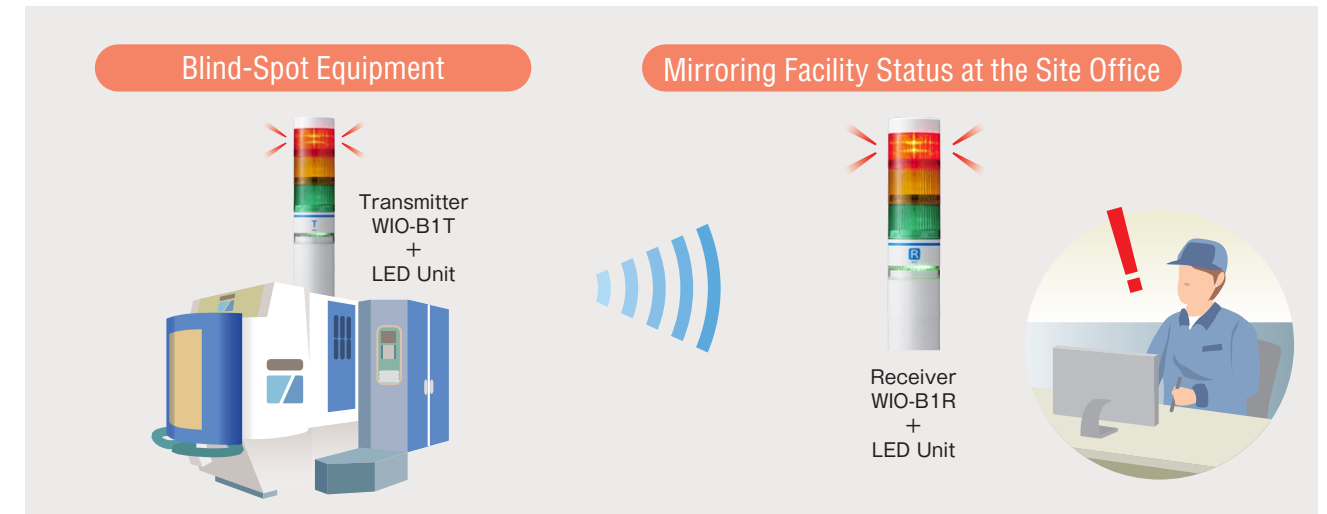
## Visualization of Equipment in Blind Spots

### 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.



## 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)<br>1 point (relay output)            | 1 point/5 points (no-voltage contact output)<br>1 point (relay output)             | Transmitter: 7 points (1 point dedicated to buzzer)/<br>None<br>Receiver: 1 point/5 points (no-voltage contact output)<br>1 point (relay output) |
| Protection Rating                 | IP65 (IEC 60529), TYPE 4X,13 (NEMA, UL50E) Upright                                |   |  |  |
| Main Body Dimensions/<br>Mounting | Φ60×Height 147mm/M4×3 points  |   |  |  |
| Mounting<br>Location/Direction    | Indoor/Upright  |   |  |  |
| Wireless Specifications           |   |   |  |  |
| 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-Colour)  
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



Promotional 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 colour may appear different from the actual colour 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 proper usage of these products, please consult the "Instruction Manual" before use.  
Non-compliance with all precautions may lead to fire, electric shock, or other incidents. Specifications may be altered without prior notification.