

## More, Accessible Ways to Obtain Equipment Statuses

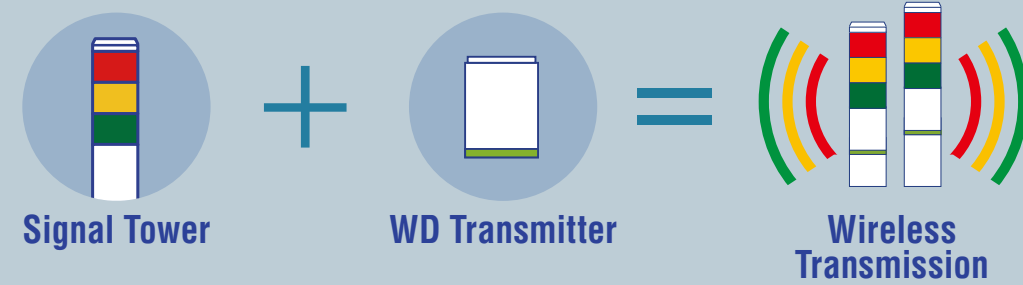
Monitor in real-time and connect with database



**New** WDR-L-Z2-PRO

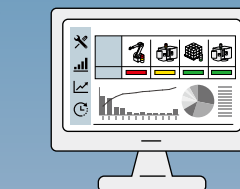
- **Real-time** Equipment Status Collection
- **PoE** Capability
- Real-time Status Display on **Andon Screen**
- Quality of Wireless **Connection** **Diagnostics**
- Collaboration Functions Including Modbus/TCP and **MySQL Database**

# MAKE SMARTER, QUICKER DECISIONS WITH REAL-TIME DATA

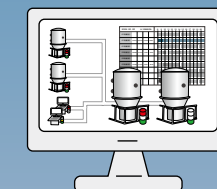


Run multiple applications simultaneously

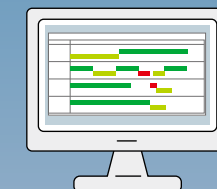
Wide variety of collaboration protocols



MySQL Database



Modbus/TCP

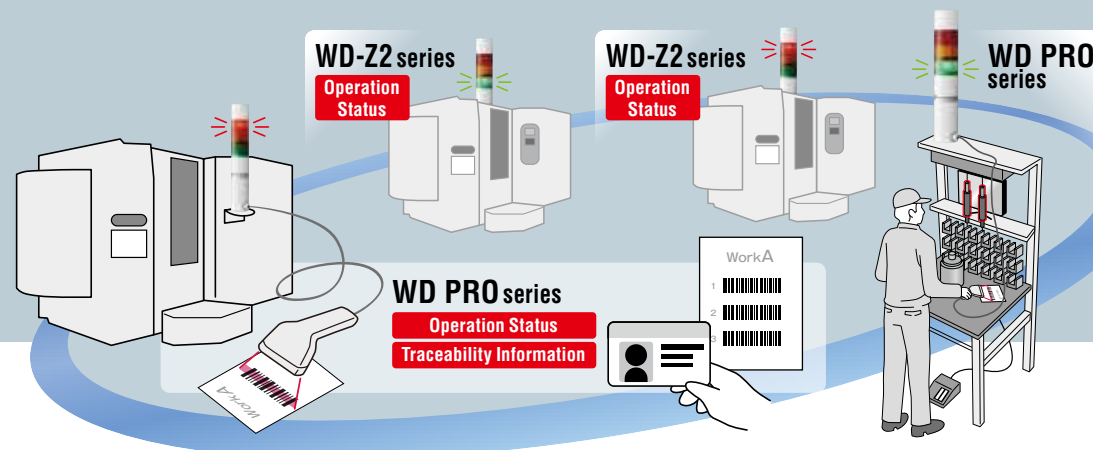


SOCKET communication  
WDR and WDR PRO protocols



CSV export  
(WDS-WIN01 required)

\* SOCKET communication (WDR protocol) and CSV export cannot be performed simultaneously.



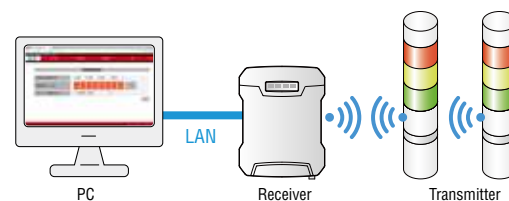
## PoE Capability

The WD PRO Receiver can access both power and data through a single Ethernet cable so that wiring space and costs can be minimized.

## Device Setup Browser

Connect the WD PRO Receiver to a PC via LAN cable to access the setup browser where various settings of the receiver and transmitter can be configured.

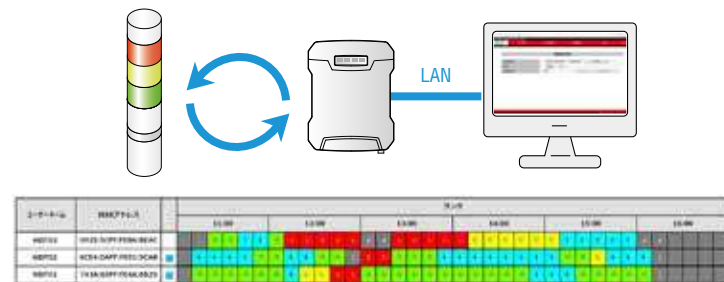
\* Not compatible with Lite series or when connected via USB.



WD PRO series

## Wireless Quality Diagnostics

Displays the quality of wireless connection between the receiver and transmitter(s) using a 5-level evaluation system. Up to 72 hours of diagnosis data can be recorded so users can determine when and where the installation environment needs to be modified.

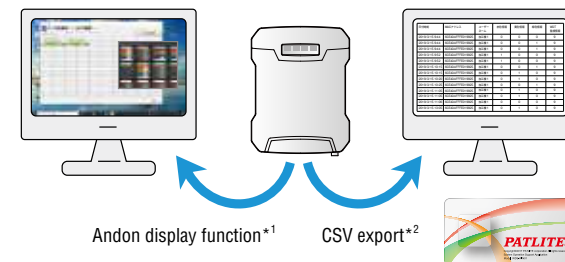


\* Diagnostics occur every 10 minutes during long-period sessions.

\* During diagnostics, a large amount of data is processed which may affect the data acquisition function.

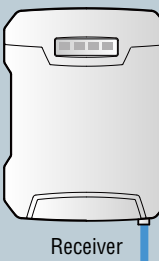
## Andon Display

Real-time light and buzzer statuses of all connected signal towers can be displayed onto your computer screen. This can be done simultaneously with the CSV data collection.



\*1 This function is not available for Lite models (WDR-LE-Z2-PRO-L).

\*2 WDS-WIN01 license purchase required for CSV file export.



Receiver

LAN

Wireless communication with up to 30 transmitters

WD PRO Receivers

WDR-L-Z2-PRO

WDR-L-Z2-PRO-L  
<Lite version>

Compatible in **33 countries** (as of April 2020)

Up to **30 transmitters** can be connected

Connection method **LAN/USB**

WD System Setup Software



WD System Setup Software

**WDS-WIN01**

Ver. 1.04 or later

\* Some contents of the software requires a paid license.

Compatible Transmitters

Wireless Data Acquisition System

**WD-Z2 series**

WD-Z2 Transmitter



**WDT-6LR-Z2**  
WD-Z2 Transmitter Unit

Compatible with  
**LR6 series**  
Signal Towers

Maximum distance of wireless transmission between units:  
**30m \***



**WDT-5LR-Z2**  
WD-Z2 Transmitter Unit

Compatible with  
**LR5 series**  
Signal Towers

Maximum distance of wireless transmission:  
**30m \***



Wireless Data Acquisition System

**WD PRO series**



**WDT-6LR-Z2-PRO**  
WD PRO Transmitter

Compatible with  
**WD PRO series**  
Base Unit

Maximum distance of wireless transmission:  
**30m \***



**WDB-D80S-PRO**  
WD PRO Contact Input - Serial Communication Base Unit

WD PRO Transmitter

WD PRO Base Unit



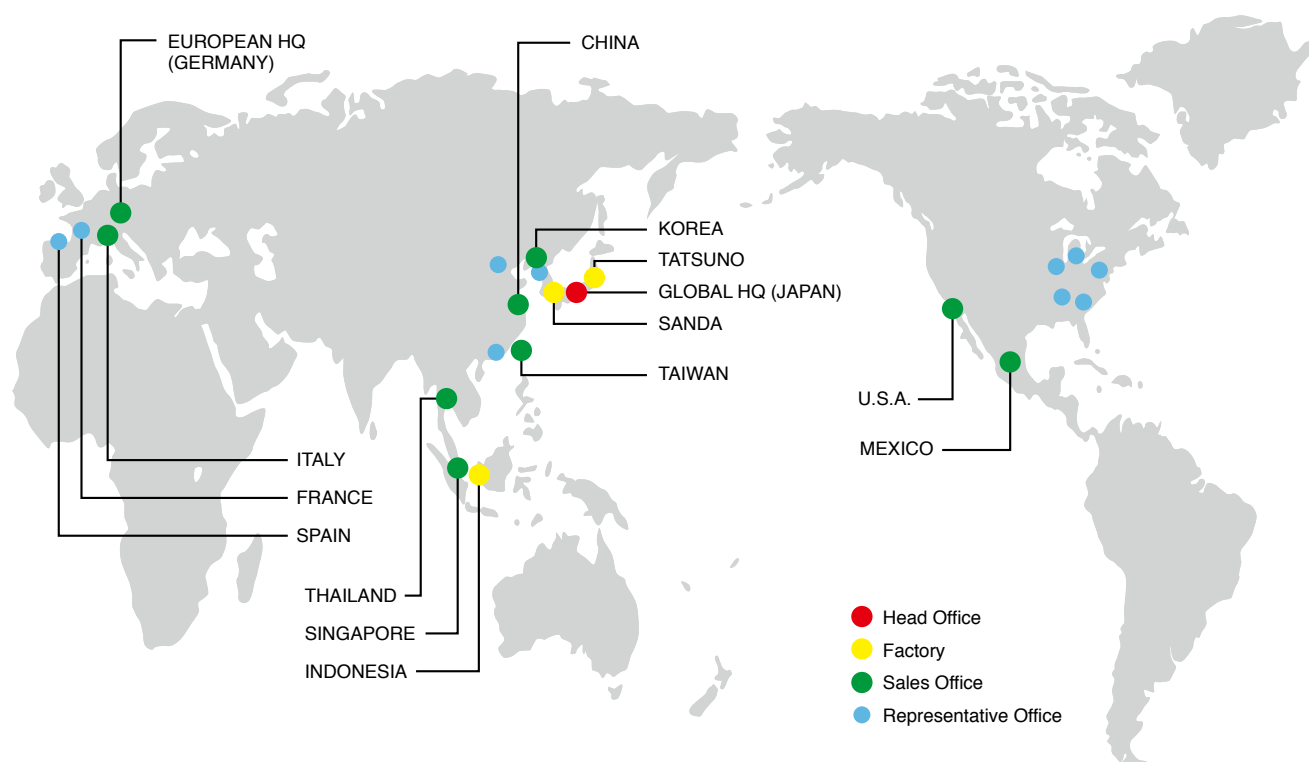
\* Due to the characteristics of radio waves, this value is only a reference point.

## Specifications

Model	Wireless Data Acquisition System WD PRO Receiver <b>WDR-L(E)-Z2-PRO</b>	Wireless Data Acquisition System WD PRO Receiver <Lite version> <b>WDR-L(E)-Z2-PRO-L</b>
Power Supply Input	24V DC / USB / PoE	
Mounting Method	Horizontal / Wall / Ceiling	
Network Communication Method	10BASE-T-twisted pair ethernet / 100BASE-TX- CAT5 cable / 1000BASE-T- also CAT5	
Number of Transmitter	Maximum 30 units	
Communication Range	Line of sight, Approximately 30m *1	
IP address setting	Manual setup / DHCP auto configuration	
Operating Ambient Temperature	-10℃~+50℃ (AC Adaptor accessory : 0℃~+40℃)	
Protection Rating	IP20	
Wireless Connection Diagnostics	Real-time diagnosis / Long-period diagnosis (1~72 hours)	
Transmitter wireless settings	Built-in setup browser / WDS-WIN01 software	Use WDS-WIN01
Host System Communication	<ul style="list-style-type: none"> <li>• CSV file *Use WDS-WIN01</li> <li>• SOCKET communication (WDR protocol)</li> <li>• SOCKET communication (WDR PRO protocol)</li> <li>• Database linkage (MySQL)</li> <li>• Modbus / TCP communication</li> </ul>	<ul style="list-style-type: none"> <li>• CSV file *Use WDS-WIN01</li> <li>• SOCKET communication (WDR protocol)</li> </ul>
Andon Display	○	×

\*1 Due to the characteristics of radio waves, this value is only a reference point.

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