PATLITE®

More, Accessible Ways to Obtain Equipment Statuses

Monitor in real-time and connect with database
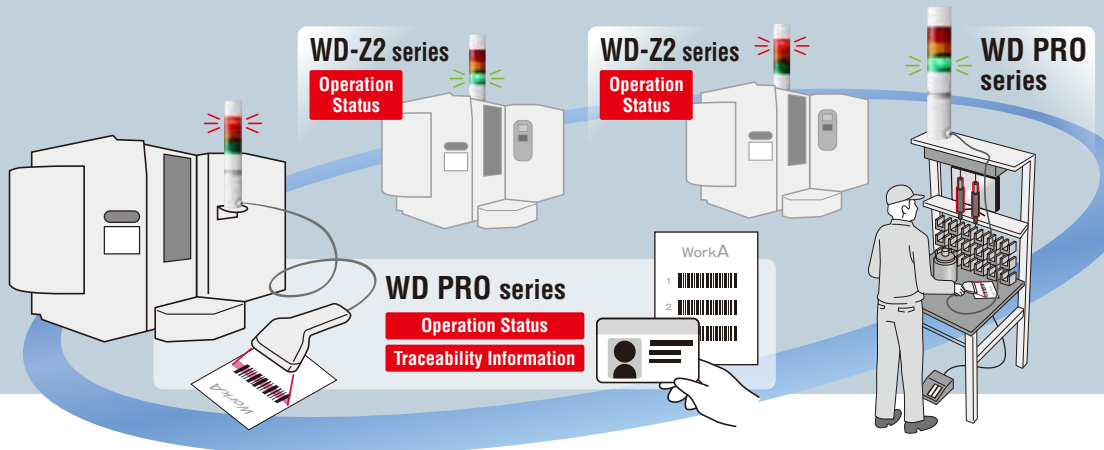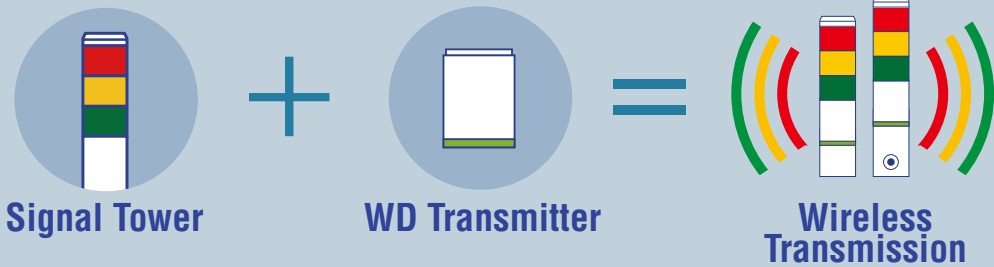
New WDR-LE-Z2-PRO

- **Real-time** Equipment Status Collection

- Real-time Status Display on **Andon Screen**

- Collaboration Functions Including Modbus/TCP and **MySQL Database**

- **PoE** Capability

- Quality of Wireless **Connection Diagnostics**

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MAKE SMARTER, QUICKER DECISIONS

Signal Tower + **WD Transmitter** = **Wireless Transmission**

WD-Z2 series
Operation Status

WD-Z2 series
Operation Status

WD PRO series

WD PRO series
Operation Status
Traceability Information

WorkA
1
2

WD PRO Series

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.

Bracket
Main Unit

Easy PoE Connection

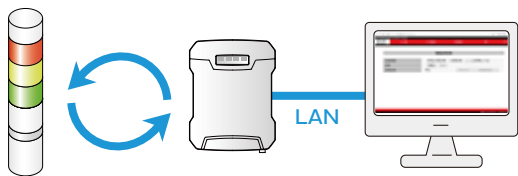Easy click-in mounting

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.

PC   LAN   Receiver   Transmitter

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.
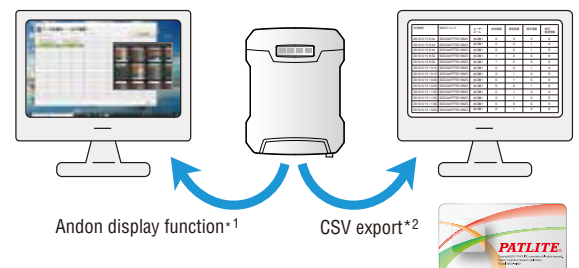
LAN

User Name	IEEE Address	Rank					
		11:00	12:00	13:00	14:00	15:00	16:00
WDR61	0025:5CFF:FEBA:BEAC						
WDR62	6C54:DAFF:FE01:7CA8						
WDR61	743A:B5FF:FEA4:AB25						

* 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.
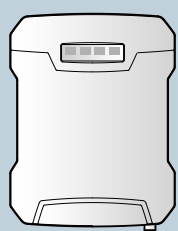
Andon display function[*1]   CSV export[*2]

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*1 This function is not available for Lite models (WDR-LE-Z2-PRO-L).
*2 Third-party software required to export CSV files.

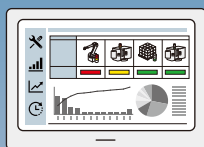# WITH REAL-TIME DATA

Run multiple applications simultaneously

Receiver

LAN

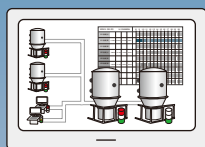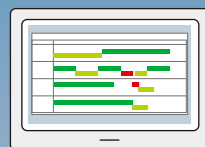**Wireless communication with up to 30 transmitters**

Wide variety of collaboration protocols

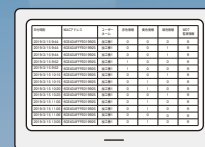MySQL Database

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.

WD PRO Receivers

WDR-LE-Z2-PRO

WDR-LE-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 Unit

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

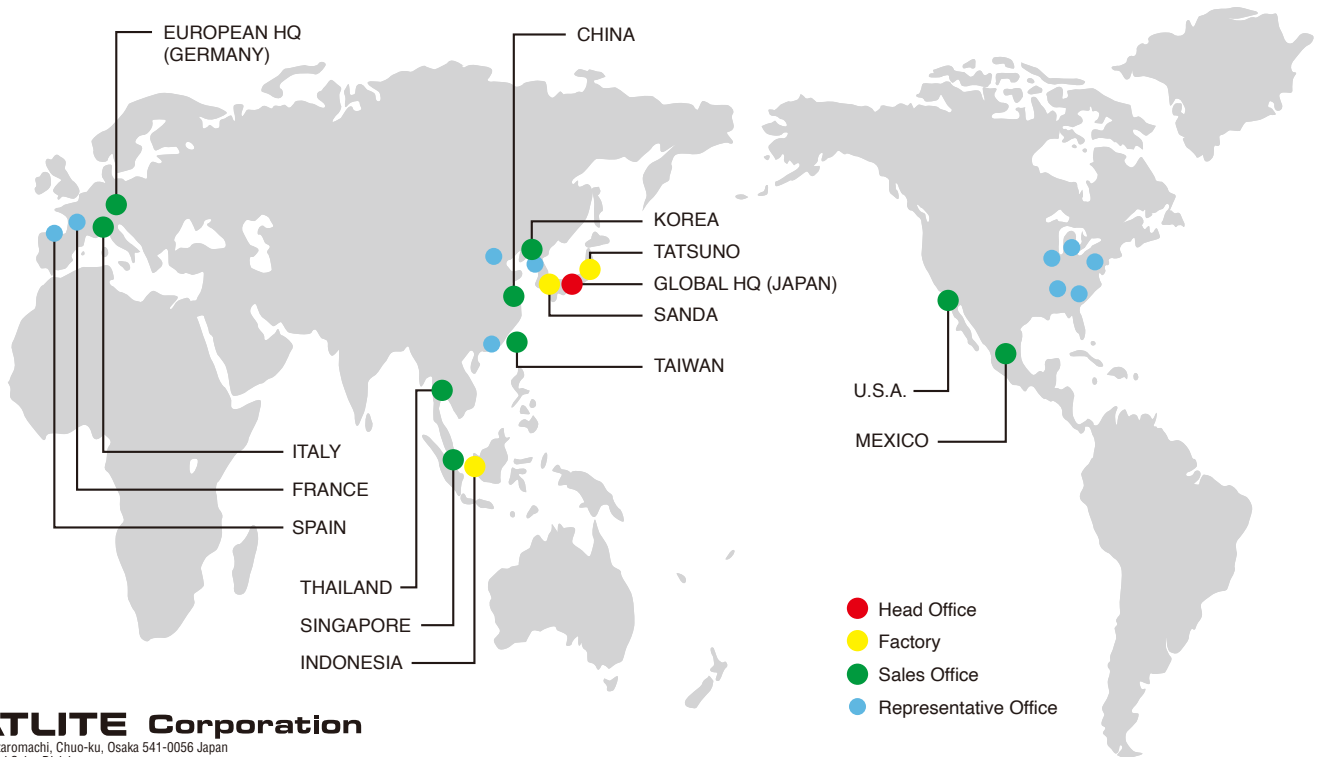* Due to the characteristics of radio waves, this value is only a reference point.

Specifications

Model	Wireless Data Acquisition System WD PRO Receiver **WDR-LE-Z2-PRO**		Wireless Data Acquisition System WD PRO Receiver 〈Lite version〉 **WDR-LE-Z2-PRO-L**
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		
Transmitter Connection	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		WDS-WIN01 Software
Host System Communication	• CSV file *Use WDS-WIN01 • SOCKET communication (WDR protocol) • SOCKET communication (WDR PRO protocol) • Database linkage (MySQL) • Modbus / TCP communication	**Run multiple applications simultaneously**	• CSV file *Use WDS-WIN01 • SOCKET communication (WDR protocol)
Andon Display	✓		—

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

PATLITE Global Network

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INDONESIA
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MEXICO

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● Factory
● Sales Office
● Representative Office

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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.

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