More, Accessible Ways to Obtain Equipment Statuses

Monitor in real-time and connect with database

- **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**

New WDR-L-Z2-PRO
During diagnostics, a large amount of data is processed which may affect the data acquisition function. Diagnostics occur every 10 minutes during long-period sessions.

**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.

**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.

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

**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.

**Wide variety of collaboration protocols**
- MySQL Database
- Modbus/TCP
- SOCKET communication
- CSV export

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

**Compatible Transmitters**
- **WD-Z2 series**: Compatible with LR5 series Signal Towers
- **WD PRO series**: Compatible with WD PRO series Base Unit

**PoE Capability**

**Device Setup Browser**

**Wireless Quality Diagnostics**
### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Wireless Data Acquisition System</th>
<th>Wireless Data Acquisition System</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>WD PRO Receiver</td>
<td>WD PRO Receiver &lt;Lite version&gt;</td>
</tr>
<tr>
<td></td>
<td>WDR-L(E)-Z2-PRO</td>
<td>WDR-L(E)-Z2-PRO-L</td>
</tr>
<tr>
<td>Power Supply Input</td>
<td>24V DC / USB / PoE</td>
<td></td>
</tr>
<tr>
<td>Mounting Method</td>
<td>Horizontal / Wall / Ceiling</td>
<td></td>
</tr>
<tr>
<td>Network Communication Method</td>
<td>10BASE-T-twisted pair ethernet / 100BASE-TX- CAT5 cable / 1000BASE-T- also CAT5</td>
<td></td>
</tr>
<tr>
<td>Number of Transmitter</td>
<td>Maximum 30 units</td>
<td></td>
</tr>
<tr>
<td>Communication Range</td>
<td>Line of sight, Approximately 30m *1</td>
<td></td>
</tr>
<tr>
<td>IP address setting</td>
<td>Manual setup / DHCP auto configuration</td>
<td></td>
</tr>
<tr>
<td>Operating Ambient Temperature</td>
<td>-10°C~+50°C (AC Adaptor accessory : 0°C~+40°C)</td>
<td></td>
</tr>
<tr>
<td>IP address setting</td>
<td>Manual setup / DHCP auto configuration</td>
<td></td>
</tr>
<tr>
<td>Protection Rating</td>
<td>IP20</td>
<td></td>
</tr>
<tr>
<td>Wireless Connection Diagnostics</td>
<td>Real-time diagnosis / Long-period diagnosis (1~72 hours)</td>
<td></td>
</tr>
<tr>
<td>Host System Communication</td>
<td>• CSV file * Use WDS-WIN01</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• SOCKET communication (WDR protocol)</td>
<td>• SOCKET communication (WDR protocol)</td>
</tr>
<tr>
<td></td>
<td>• Database linkage (MySQL)</td>
<td>• Modbus / TCP communication</td>
</tr>
<tr>
<td>Andon Display</td>
<td>• CSV file * Use WDS-WIN01</td>
<td></td>
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</tr>
</tbody>
</table>

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

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**PATLITE Global Network**

- **EUROPEAN HQ (GERMANY)**
  - Head Office
  - Factory
  - Sales Office
  - Representative Office

- **CHINA**
  - Head Office
  - Factory
  - Sales Office
  - Representative Office

- **KOREA**
  - Head Office
  - Factory
  - Sales Office
  - Representative Office

- **TATSUNO**
  - Head Office
  - Factory
  - Sales Office
  - Representative Office

- **GLOBAL HQ (JAPAN)**
  - Head Office
  - Factory
  - Sales Office
  - Representative Office

- **SANDA**
  - Head Office
  - Factory
  - Sales Office
  - Representative Office

- **TAIWAN**
  - Head Office
  - Factory
  - Sales Office
  - Representative Office

- **ITALY**
  - Head Office
  - Factory
  - Sales Office
  - Representative Office

- **FRANCE**
  - Head Office
  - Factory
  - Sales Office
  - Representative Office

- **SPAIN**
  - Head Office
  - Factory
  - Sales Office
  - Representative Office

- **MEXICO**
  - Head Office
  - Factory
  - Sales Office
  - Representative Office

- **TAIWAN**
  - Head Office
  - Factory
  - Sales Office
  - Representative Office

- **THAILAND**
  - Head Office
  - Factory
  - Sales Office
  - Representative Office

- **SINGAPORE**
  - Head Office
  - Factory
  - Sales Office
  - Representative Office

- **INDONESIA**
  - Head Office
  - 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.