PATLITE Global Network

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www.patlite.com
The WD Pro adds a myriad of additional features to any existing WD Series network.
More Data Means Smarter Decision-Making

The WD PRO Series features 2-way wireless communication for better plant-wide visibility while enabling you to gather more data points for better predictive maintenance, quicker problem resolution, and OEE improvement.

Understand the cause of equipment shutdown

Up to 765 data codes can be acquired to identify exact cause and timing of equipment malfunctions.

<table>
<thead>
<tr>
<th>Error code table</th>
</tr>
</thead>
</table>
| Signal tower: Information 3 points
| External contact input 8 points |
| **765 factor data can be acquired** |
| indicative input level |
| Red |
| Green |
| Yellow |

Equipment operation status × Detailed information

Cause-based Pareto analysis

Eliminate downtime

Notifies remote operators instantly of equipment abnormalities, as well as the type of maintenance required.

Remote Signaling

Support areas
- WD-Z2: 41 countries
- WD PRO: USA, China, EU, Korea, Taiwan, Thailand, Indonesia, Mexico, and Japan

Monitor multiple facilities remotely and in real-time

Utilize compatible software to monitor multiple factories located across the globe.

Connect a bar code reader to the WD PRO to trace employee data for greater control over products and process quality.
**WD PRO System Configuration**

- **Buzzer Unit**
  - LR6-BW
- **LED Unit**
  - LR6-E-R
  - LR6-E-Y
  - LR6-E-G
- **Wiring example**
  - D-sub connector, 9-pin, male
  - Receptacle, black dot, +5V
  - Wiring for black dot, GND
  - Signal line, green dot, TXD
  - Signal line, red dot, RXD

**Wiring example**

- **Wiring example**
  - D-sub connector, 9-pin, male
  - Wiring for black dot, GND
  - Wiring for red dot, +5V
  - Wiring for green dot, RXD
  - Wiring for orange dot, TXD

- **PLC contact output (switch)**
- **Push button**
- **Wiring example**
  - Red + red dot
  - Black + black dot
  - Wiring for red dot, +5V

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

- **Wiring example**
  - LS + red dot
  - RS + black dot
  - RS-232C

- **Coding**
  - Red
  - Yellow
  - Green
  - Blue
  - Black
  - Gray

**Specifications**

<table>
<thead>
<tr>
<th>Model code</th>
<th>WD PRO Transmitter</th>
<th>Contact Input - Serial Communication Base Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>WDT-6LR-Z2-PRO</td>
<td>WDB-D80S-PRO</td>
<td></td>
</tr>
<tr>
<td>Size</td>
<td>150 x 150 x 40 mm</td>
<td></td>
</tr>
<tr>
<td>Protection Rating</td>
<td>IP67</td>
<td></td>
</tr>
<tr>
<td>External Contact Input</td>
<td>—</td>
<td></td>
</tr>
<tr>
<td>Wireless specifications</td>
<td>2.4GHz Zigbee</td>
<td></td>
</tr>
<tr>
<td>Corresponding standards</td>
<td>WDS-WIN01 CSV Output Sample</td>
<td></td>
</tr>
<tr>
<td>—</td>
<td>—</td>
<td></td>
</tr>
</tbody>
</table>

**Options**

- **Serial Cable**
  - WDX-S01
- **Buzzer Unit**
  - LR6-BW
- **Upper Bracket**
  - EDP-004W
- **Solid Color**
  - LR6-E-R/G/B/C
- **Clear Globe**
  - LR6-E-K/Y/Z/B
- **Pole Bracket**
  - S2-018A
- **Wall mount Bracket**
  - S2K-001U
- **Pole**
  - POLE-000A21 10mm
  - POLE-000A21 10mm
  - POLE-100A21 10mm

**WDS-WIN01 CSV Output Sample**

<table>
<thead>
<tr>
<th>Data Time</th>
<th>MAC address</th>
<th>user name</th>
<th>Red information</th>
<th>Green information</th>
<th>RS-232C data (ASCII code)</th>
<th>External input information</th>
<th>Clear input information</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019/3/15 9:44</td>
<td>6CE4DAFFFE019925</td>
<td>—</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
<td>2019/3/15 9:44</td>
<td>6CE4DAFFFE019925</td>
<td>machine 1</td>
<td>0</td>
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<td>1</td>
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**Notes**

- Power supply to connected devices is required separately.
- Depending on the specifications of the RFID reader, data acquisition may not be possible.
- Depending on the specifications of the RFID reader, data acquisition may not be possible.
- *2* For pin assignment when using a serial cable, refer to its corresponding instructions manual.
- *3* For pin assignment when using a serial cable, refer to its corresponding instructions manual.
- *4* For pin assignment when using a serial cable, refer to its corresponding instructions manual.