Autonics

DIGITAL PANEL METER
M4W SERIES

MANUAL

Thank you very much for selecting Autonics products.
For your safety, please read the following before using.

**Caution for your safety**

1. Please keep these instructions and review them before using this unit.
2. Please observe the cautions that follow:
   - **Warning**: Serious injury may result if instructions are not followed.
   - **Caution**: Product may be damaged, or injury may result if instructions are not followed.
   - **Note**: The following is an explanation of the symbols used in the operation manual.
   - **Caution**: Injury or danger may occur under special conditions.

**Warning**
1. In case of using this unit with machineries (nuclear power control, medical equipment, vehicle, train, airplane, combustion apparatus, entertainment or safety device etc.) it requires installing fail-safe device, or contact us for information on type required.
   - May result in serious damage, fire, or human injury.
2. It must be mounted on panel.
   - If it is not, may give an electric shock.
3. Do not repair or check when power on.
   - May give an electric shock.
4. Do not disassemble and modify this unit, when it requires.
   - If needs, please contact us.
   - If it is not, may give an electric shock and cause a fire.
5. Please check the number of terminal when channel power line or measuring input.
   - May cause a fire.

**Caution**
1. This unit shall not be used outdoors.
   - It might shorten the life of the product or give an electric shock.
2. When wire connection, No.2AWG(0.5mm²) should be used and screw bolt on terminal block with 0.74N · m to 0.95N · m strength.
   - It may result in malfunction or fire due to contact failure.
3. Please observe specifications indicating.
   - Weight shorten the life cycle of the product and cause a fire.
4. Do not use the load beyond rated switching capacity of Relay contact.
   - It may cause failure, switch stick, relay broken.
5. In cleaning the unit, do not use water or an oil-based detergent.
   - It might cause an electric shock or fire that will result in damage to this product.
6. Do not use this unit at place where there are flammable or explosive gas, humidity, direct ray of sun, radiant heat, vibration, impact etc.
   - It may cause explosion.
7. Do not infuse dust or wire drops into inside of this unit.
   - It may cause a fire or mechanical trouble.
8. Please connect properly after checking the polarity of measuring terminals.
   - It may cause fire or explosion.

**Specifications**

<table>
<thead>
<tr>
<th>Model</th>
<th>DC Voltage</th>
<th>DC Amperes</th>
<th>AC Voltage</th>
<th>AC Amperes</th>
<th>DC Watt</th>
<th>DC A</th>
<th>DC Hz</th>
<th>DC mA</th>
<th>AC Watt</th>
<th>AC A</th>
<th>AC Hz</th>
<th>AC mA</th>
<th>Power factor</th>
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<tbody>
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<td>M4W-2V</td>
<td>200VAC</td>
<td>2A</td>
<td>200VAC</td>
<td>2A</td>
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<td>200W</td>
<td>200V</td>
<td>2A</td>
<td>200V</td>
<td>0.80</td>
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<tr>
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<td>2A</td>
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<td>2A</td>
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**Ordering information**

**Main function**

<table>
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<tr>
<th>M</th>
<th>H</th>
<th>P</th>
<th>J</th>
<th>T</th>
<th>I</th>
<th>L</th>
<th>U</th>
<th>C</th>
<th>G</th>
<th>D</th>
<th>F</th>
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<td>4</td>
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<td>9</td>
<td>10</td>
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</tbody>
</table>

**Warning**

1. Installation environment
   - Shall be used under.
2. Temperature
   - Min. 0°C / Max. 50°C
3. Humidity
   - 0%RH - 95%RH (non-condensing)
4. Pollution degree
   - IPX1
5. Altitude
   - Up to 2000m

**Main products**

- Counter
- Timer
- Temperature controller
- Panel meter
- Tachograph speed/pulse meter
- Display Unit
- Proximity sensor
- Photocell sensor
- Fiber optic sensor
- Pressure sensor
- Rotary encoder
- Sensor controller
- Power controller
- Step motor & driver
- Laser marking system CO2 Laser

**Connections**

**D4W**

1. **Input**
   - **1**: Input 1, **2**: Input 2, **3**: Input 3, **4**: Input 4

**D4W/P**

1. **Input**
   - **1**: Input 1, **2**: Input 2, **3**: Input 3, **4**: Input 4

**Dimensions**

- Panel cut-out: 96 x 96 mm
- Panel thickness: 116.1 mm

- **The above specification are changeable without notice anytime.**