**Specifications**

<table>
<thead>
<tr>
<th>Model</th>
<th>OAM-DUAL T</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cover color</td>
<td>Blue</td>
</tr>
<tr>
<td>Mounting height</td>
<td>2.0 to 3.5 m (6'7&quot; to 11'6&quot;)</td>
</tr>
<tr>
<td>Detection area</td>
<td>See Detection area</td>
</tr>
<tr>
<td>Detection method</td>
<td>Active infrared reflection (*1)</td>
</tr>
<tr>
<td>Min detectable object effect</td>
<td>IR</td>
</tr>
<tr>
<td>Transmitter frequency</td>
<td>24-125 GHz</td>
</tr>
<tr>
<td>Transmitter radiated power</td>
<td>&lt; 20 dBm</td>
</tr>
<tr>
<td>Depth angle adjustment</td>
<td>Air</td>
</tr>
<tr>
<td>Power supply (*2)</td>
<td>12 to 24 V DC ±10% (50/60 Hz)</td>
</tr>
<tr>
<td>Power consumption</td>
<td>&lt; 300 mA</td>
</tr>
<tr>
<td>Communication Test output</td>
<td>Opto coupler Voltages: 5V to 30VDC</td>
</tr>
<tr>
<td>Response time</td>
<td>&lt; 300 ms</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-20 to +70°C (-4 to 131°F)</td>
</tr>
<tr>
<td>Operating humidity</td>
<td>&lt; 90% (non-condensing)</td>
</tr>
<tr>
<td>Noise level</td>
<td>&lt; 50 dB(A)</td>
</tr>
</tbody>
</table>

**Table 1**

<table>
<thead>
<tr>
<th>Operation indicator color</th>
<th>Operation indicator output</th>
</tr>
</thead>
<tbody>
<tr>
<td>Warm-up</td>
<td>Yellow blinking</td>
</tr>
<tr>
<td>Blue</td>
<td>Emitting spots</td>
</tr>
<tr>
<td>Green</td>
<td>-</td>
</tr>
<tr>
<td>Red</td>
<td>-</td>
</tr>
<tr>
<td>Blue (Looback) detection (*4)</td>
<td>Emitting spots</td>
</tr>
</tbody>
</table>

**Installation 1. Mounting**

- **Sensor**
  - Turn the sensor to the mounting surface with the two mounting screws.
- **Mounting height**
  - 2.2 m (7'3")
- **Distance between the door and the mounting surface**
  - 0.11 (4")
- **Distance between the door and the header**
  - 0.12 (5")
- **Height from the floor to the bottom of the header**
  - 2.51 (8'3")

**Installation 2. Wiring**

- **Power supply**
  - 12 to 24 VAC ±10% / 12 to 30 VDC ±10%
- **Activation output**
  - Form A relay 50 V 0.3 A Max.
- **Test input**
  - Opto coupler, Voltage: 5V to 30VDC

**CAUTION Risk of getting caught**

- Make sure to affix the mounting template as described in the above chart, otherwise it can be dangerous since there may be no detection area around the threshold. Install the sensor as low as possible on the header.

**CAUTION Danger of electric shock**

- Do not touch the sensor without the cover. When using the cable knockout, install the sensor indoors or use the rain cover (Separately available) otherwise electric shock or breakdown of the sensor may occur.
**Adjustments**

1. **Area depth angle adjustment**
   - **AIR adjustment**
     - Depth angle adjustment screw for the AIR area.
   - **Radar adjustment**
     - Depth angle adjustment screw for the Radar area.

2. **Width area adjustment**
   - **AIR adjustment**
     - To adjust the AIR detection area width, use the adjustment screws as shown in the picture below.
   - **Radar adjustment**
     - To adjust the Radar detection area width, use the narrow lens as shown in the picture below.

3. **Radar sensitivity**
   - Adjust the Radar detection area with potentiometer. Afterward, make sure to push the function switch for 2 s.

4. **Dipswitch settings**
   - After changing the dipswitch settings, make sure to push the function switch for 2 s.

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**Service mode**

During the "Service mode", only the 2nd row remains transmitting and the operation indicator shows Yellow & Green blinking. After installation, be sure to turn to the "Operation mode" because it does not comply with EN 16005.

- **To Service mode**
  - Keep pushing function switch for 5 s until the operation indicator starts to blink after off.

- **To Operation mode**
  - Keep pushing function switch until the operation indicator goes off.

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**Checking**

Check the operation according to the mode shown below.

**Troubleshooting**

- **Door operation**
  - **Operation indicator**
  - **Possible cause**
  - **Possible countermeasures**

- **Door remains open**
  - **Operation indicator**
  - **Possible cause**
  - **Possible countermeasures**

- **External presence**
  - **Operation indicator**
  - **Possible cause**
  - **Possible countermeasures**

- **Door or object**
  - **Operation indicator**
  - **Possible cause**
  - **Possible countermeasures**

- **Sensor or circuit**
  - **Operation indicator**
  - **Possible cause**
  - **Possible countermeasures**

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**Checking**

Check the operation according to the mode shown below.

**Troubleshooting**

- **Door operation**
  - **Operation indicator**
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  - **Possible countermeasures**

- **Door remains open**
  - **Operation indicator**
  - **Possible cause**
  - **Possible countermeasures**

- **External presence**
  - **Operation indicator**
  - **Possible cause**
  - **Possible countermeasures**

- **Door or object**
  - **Operation indicator**
  - **Possible cause**
  - **Possible countermeasures**

- **Sensor or circuit**
  - **Operation indicator**
  - **Possible cause**
  - **Possible countermeasures**

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**Manuﬁctor**

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