Manufacturers statement

Failure to follow the instructions that accompany this indication and improper handling may result in serious injury or death of a person, the meanings of the symbols are as follows:

WARNING
Failure to follow the instructions that accompany this indication and improper handling may result in serious injury or death.

CAUTION
Failure to follow the instructions that accompany this indication and improper handling may result in injury to property.

NOTE
Pay special attention to sections with this symbol.

It is required to check the operation manual if this symbol is shown on the product.

NOTE

1. This product is a non-contact switch intended for header mount or wall mount for use on an automatic elevator system or for any other applications.
2. When setting the sensors detection area, make sure that there is no traffic around the installation site.
3. Before turning the power ON, check that the wiring is correct to prevent damage or malfunction of equipment connected to the specified system.
4. Only use the product as specified in the operation manual.
5. Be sure to install and adjust the sensor in accordance with the local laws and standards of the country in which the product is installed.
6. Before leaving the installation site make sure that the product is operating properly and instruct the building superintendent on proper operation of the door and the product.
7. The product settings can only be changed by an installer or service engineer.

When changing the operational settings and the settings on the transmitter shall be regular in the maintenance logbook accompanying the manual.

Specifications

Model: OAM DUAL T E

- Power supply: 24 VA
- Rated power consumption: < 2 W
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- Power consumption: 2 W

In addition, Table 1 shows the operational parameters such as frequency, output, and power consumption.

Table 1

<table>
<thead>
<tr>
<th>Delay (ms)</th>
<th>Voltage output (V)</th>
<th>Frequency output (kHz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>5.0</td>
<td>1.5</td>
</tr>
<tr>
<td>10</td>
<td>4.9</td>
<td>1.4</td>
</tr>
<tr>
<td>20</td>
<td>4.8</td>
<td>1.3</td>
</tr>
<tr>
<td>30</td>
<td>4.7</td>
<td>1.2</td>
</tr>
<tr>
<td>40</td>
<td>4.6</td>
<td>1.1</td>
</tr>
</tbody>
</table>

Installation

1. Mounting:
   a. Mount the mounting template at the desired mounting position.
   b. Ensure that the mounting template is flush against the structure.
   c. Screw the mounting template into the wall using a 3 mm (1/8") drill bit.
   d. Remove the mounting template.

2. Wiring:
   a. Wire the cable to the door controller.
   b. Connect the power supply.
   c. Connect the output power supply.

3. Turn ON the power:
   a. Plug the connector.
   b. Supply power to the sensor.

4. Adjusting:
   a. Adjust the detection area and the distance to the sensor.

5. Detection area:
   a. The detection area is limited to the area where the sensor is placed.
   b. The detection area is adjustable.

6. Note:
   a. Do not connect the sensor to the main power supply.
   b. Do not connect the sensor to any other power supply.

WARNING
Danger of electric shock
Do not handle any component that may cause electric shock or breakdown of the equipment.

NOTE

1. The values shown in the table are those of the ARI detection area when tested relative to the center position of the detector.
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Additional information:

- The specifications herein are subject to change without prior notice due to improvements.
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### Adjustments

#### 1. Area depth angle adjustment

**a. AIR adjustment**
- Depth angle adjustment screw for the AIR area.

**b. Radar adjustment**
- Depth angle adjustment screw for the Radar area.

#### 2. Area width adjustment

**a. AIR adjustment**
- To adjust the AIR detection area width, use the adjustment screws as shown in the picture below.

**b. 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 width with potentiometer. Afterwards, make sure to push the function switch for 2 s.

### Dipswitch settings

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

<table>
<thead>
<tr>
<th>No.</th>
<th>Function (Setting)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Sensitivity</td>
</tr>
<tr>
<td>2</td>
<td>Presence timer</td>
</tr>
<tr>
<td>3</td>
<td>Frequency</td>
</tr>
<tr>
<td>4</td>
<td>AIR output</td>
</tr>
<tr>
<td>5</td>
<td>Safety output</td>
</tr>
<tr>
<td>6</td>
<td>Test input</td>
</tr>
<tr>
<td>7</td>
<td>Direction</td>
</tr>
</tbody>
</table>

### Troubleshooting

- **Door does not open when a person enters the detection area:**
  - Check Table 2: Dipswitch 1 to 8, 12, 13.
  - The problem still persists, hardwire the sensor.
  - (Use the power OFF and ON again)

### Checking

- **Operation mode**
  - Keep pushing function switch for 5 s until the indicator starts to blink after, refer to Table 2.

### Service mode

- **During the "Service mode"** only the 2nd row remains active and the operation indicator shows Yellow & Green blinking.
- **After installation**, do not push the "Operation mode" button because it does not comply with EN16055.
- **The sensor automatically returns to "Operation mode" after 15 min from the transition.

### Service mode (continued)

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

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

### Checking (continued)

- **Status**
  - Stand-by
  - Motion Detection
  - Motion/Presence

<table>
<thead>
<tr>
<th>Operation indicator</th>
<th>N.O.</th>
<th>N.C.</th>
<th>Safety</th>
<th>Green</th>
<th>Orange</th>
<th>Red</th>
<th>Red (Acting)</th>
<th>Blue</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relay input</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Voltage input</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frequency output</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Safety output</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Table 2**

- **AIR settings:**
- **Radar settings:**
- **Other setting:**
- **Factory default settings:**

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**Optex** hereby declares that the radio equipment type D004D/00011 series complies with RED 2014/53/EU. The full text of the EU DoC is available at the following internet address: www.optex.net