**Specifications**

**Model**
- OA-FLEX AIR T

**Color**
- Black

**Mounting height**
- 2.0 to 3.0 m (6'7" to 9'10")

**Power supply**
- 12 to 30 VDC ±10%
- 12 to 24 VAC ±10% (50/60 Hz)

**Maximum temperature**
- -20 to +55°C (-4 to 131°F)

**Operation indicator**
- Yellow & Green blinking

**Power consumption**
- < 2.5 W (< 6 VA at AC)

**Accessories**
- 1 Cable 3 m (9'10")(*3)
- 1 Mounting template
- 1 Operation manual
- 1 Operation indicator table
- 2 Mounting screws
- 1 Area adjustment tool
- 1 2nd row overlapping the threshold

**Power supply 2nd row overlapping the threshold**
- 12 to 24 VAC ±10% / 12 to 30 VDC ±10%

**Power supply 3rd row detection**
- 12 to 24 VAC ±10% / 12 to 30 VDC ±10%

**Power supply 4th row detection**
- 12 to 24 VAC ±10% / 12 to 30 VDC ±10%

**Power supply 5th row detection**
- 12 to 24 VAC ±10% / 12 to 30 VDC ±10%

**Power supply 6th row detection**
- 12 to 24 VAC ±10% / 12 to 30 VDC ±10%

**Power supply emitting area**
- 12 to 24 VAC ±10% / 12 to 30 VDC ±10%

**Power supply emitting area 2nd row**
- 12 to 24 VAC ±10% / 12 to 30 VDC ±10%

**Power supply emitting area 3rd row**
- 12 to 24 VAC ±10% / 12 to 30 VDC ±10%

**Power supply emitting area 4th row**
- 12 to 24 VAC ±10% / 12 to 30 VDC ±10%

**Power supply emitting area 5th row**
- 12 to 24 VAC ±10% / 12 to 30 VDC ±10%

**Power supply emitting area 6th row**
- 12 to 24 VAC ±10% / 12 to 30 VDC ±10%

**Power supply emitting area emitting area**
- 12 to 24 VAC ±10% / 12 to 30 VDC ±10%

**Weight**
- 230 g (8.1 oz)

**Performance level**
- Type 2

**Enclosure type**
- IP54

**Risk of getting caught**

**Installation 1. Mounting**

**a. Place the mounting template at the desired mounting position.**

**b. Drill two mounting holes of ø3.4 mm (ø1/8").**

**c. Place the mounting template at the desired mounting position.**

**d. Drill a wiring hole of ø8 mm (ø5/16").**

**2. Wiring**

**a. Plug the connector.**

**b. Supply power to the sensor.**

**c. Adjust the detection area and set the dipswitches.**

**3. Turn ON the power**

**a. Do not wash, disassemble, rebuild or repair the sensor.**

**b. Do not wash, disassemble, rebuild or repair the sensor.**

**c. Do not wash, disassemble, rebuild or repair the sensor.**

**d. Do not wash, disassemble, rebuild or repair the sensor.**

**4. Mounting the housing cover**

**a. The meanings of the symbols are as follows.**

**NOTE**

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

- When setting the detection area close to the door, mount the sensor according to the chart below.

- Make sure not to mount the sensor lower than the bottom of header.

**Working principle**

This sensor is designed to detect a hand approaching to a touchless plate by a knowing activation device. Please make sure to understand the following working principle if FLEX EYE mode is enabled ( Dipswitch 13 is set to “ON”). This sensor is an activation output when both FLEX EYE and 2nd to 4th row of detection area detect some objects.

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- **Performance level:** Type 2
- **Enclosure type:** IP54

**WARNING**

Danger of electric shock

Do not wash, disassemble, rebuild or repair the sensor. Otherwise it may cause electric shock or breakdown of the equipment.

**Installation**

1. Mounting
   a. Place the mounting template at the desired mounting position.
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   c. To pass the cable through the header, drill a wiring hole of ø8 mm (ø5/16").

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4. Mounting the housing cover
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### Adjustments

#### 1. Area depth angle adjustment

- **a. FLEX EYE width angle adjustment**
  - When adjusting the 2nd row close to the door, see dipswitch 16 in 4. Dipswitch settings and Reference for the easier adjustment.

- **b. FLEX EYE depth angle adjustment**
  - Make sure that the detection area does not overlap with the door/header, and there is no highly reflecting object near the detection area otherwise detection/Signal saturation may occur.

#### 2. Area width adjustment

- **Area width adjustment**
  - The angle of the detection area can both be moved 7° either left or right in 2 steps.

#### 3. FLEX EYE angle adjustment

- **FLEX EYE angle adjustment**
  - Make sure to adjust the FLEX EYE angle depending on the door type and the intended touchless plate position otherwise the sensor may not detect when a hand is approached.

### Dipswitch settings

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

### Service mode

- **During “Operation mode”, FLEX EYE and 1st row transmitting are OFF and 2nd to 6th row is ON. 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.
  - The sensor automatically returns to “Operation mode” after 15 min from the transition.

### Checking

- **Check the operation in the operation mode according to the chart below.**

### Troubleshooting

- **Door operation**
  - Door opens when a person enters the detection area.

- **Operation indicator**
  - None
  - Incorrect setting
  - Stand-by

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

### Table 1

<table>
<thead>
<tr>
<th>Function</th>
<th>Setting</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Low</td>
<td>Manual</td>
</tr>
<tr>
<td>2</td>
<td>Low</td>
<td>Manual</td>
</tr>
<tr>
<td>3</td>
<td>Presence timer</td>
<td>20 to 60 s</td>
</tr>
<tr>
<td>4</td>
<td>Frequency</td>
<td>Setting 1 to Setting 5</td>
</tr>
<tr>
<td>5</td>
<td>Safety output (to door controller)</td>
<td>N.C.</td>
</tr>
<tr>
<td>6</td>
<td>Test input (from door controller)</td>
<td>OFF</td>
</tr>
<tr>
<td>7</td>
<td>Row adjustment</td>
<td>Dipswitch &amp; Test input</td>
</tr>
<tr>
<td>8</td>
<td>Immunity</td>
<td>OFF</td>
</tr>
<tr>
<td>9</td>
<td>Activation output</td>
<td>ON</td>
</tr>
<tr>
<td>10</td>
<td>FLEX EYE mode</td>
<td>OFF</td>
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</tbody>
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