### Manufacturer's statement

Read the complete manual carefully before use to ensure proper operation of this product. Failure to read this operation manual may cause improper operation and 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 and/or damage to property.
- **NOTE** Special attention to sections with this symbol.

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

### Detection area

Charts show the values in the following area adjustment settings.

#### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Emission pattern</th>
<th>Operation indicator color</th>
<th>Voltage</th>
<th>Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>OA-FLEX T</td>
<td></td>
<td>Yellow &amp; Green blinking</td>
<td>5 to 30 VDC</td>
<td>6 mA Max.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Yellow</td>
<td>5 to 30 VDC</td>
<td>6 mA Max.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Red</td>
<td>5 to 30 VDC</td>
<td>6 mA Max.</td>
</tr>
</tbody>
</table>

#### Installation

1. **Mounting**
   - Place the mounting template at the desired mounting position.
   - Drill two mounting holes of ø4 mm (ø1/8").
   - To pass the cable through the header, drill a wire hole of ø5 mm (ø9/32").
   - Remove the mounting template.
   - Remove the housing cover: For the sensor to the mounting surface with the two mounting screws.

2. **Wiring**
   - Wire the cable to the door controller:
     - **Power supply**
     - **Activation output**
     - **Safety output**
     - **Test input**

3. **Turn ON the power**
   - Plug the connector.
   - Supply power to the sensor. Adjust the detection area and set the dipswitches.
   - 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 far as possible on the header.

#### Electric shock

**DANGER** 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 far as possible on the header.

#### Detection area

- **Emitting area**
  - **Width**
  - **Height**

#### Outer dimensions and part names

![Diagram of dimensions and parts](image)
1. Area angle adjustment

When adjusting the 2nd row close to the door, see dipswitch 16 in 3. Dipswitch settings and Reference for the easier adjustment.

NOTE

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 ghosting/signal saturation may occur.

2. Area width adjustment

Adjust the detection area width with the adjustment screws.

NOTE

When setting the detection area width, make sure to turn the adjustment screws until it clicks. **A** cannot be eliminated separately, neither can **B**

3. Dipswitch settings

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

* Dip switch No. 2: Not used

<table>
<thead>
<tr>
<th>No.</th>
<th>Function</th>
<th>Setting</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Sensitivity</td>
<td>Low</td>
<td>High</td>
</tr>
<tr>
<td>2</td>
<td>Presence timer</td>
<td>OFF</td>
<td>EN</td>
</tr>
<tr>
<td>3</td>
<td>Frequency</td>
<td>Setting1</td>
<td>Setting2</td>
</tr>
<tr>
<td>4</td>
<td>Safety output (door controller)</td>
<td>N.C.</td>
<td>N.O.</td>
</tr>
<tr>
<td>5</td>
<td>Test input (from door controller)</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>6</td>
<td>Row adjustment</td>
<td>8 rows</td>
<td>5 rows</td>
</tr>
<tr>
<td>7</td>
<td>Simultaneous output</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>9</td>
<td>Self monitoring</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>10</td>
<td>BLUZONE (Looback)</td>
<td>OFF</td>
<td>ON</td>
</tr>
</tbody>
</table>

4. Service mode

- During "Service mode", test row transmitting is 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 16050.
- The sensor automatically returns to "Operation mode" after 15 mins from the transition.

5. Troubleshooting

<table>
<thead>
<tr>
<th>Door operation</th>
<th>Operation indicator</th>
<th>Possible cause</th>
<th>Possible countermeasures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Door does not open when a person enters the detection area.</td>
<td>N.O.</td>
<td>No EN 16050 compliance.</td>
<td></td>
</tr>
<tr>
<td>Door does not open when a person enters the detection area.</td>
<td>N.O.</td>
<td>No EN 16050 compliance.</td>
<td></td>
</tr>
<tr>
<td>Door remains open.</td>
<td>N.O.</td>
<td>No EN 16050 compliance.</td>
<td></td>
</tr>
<tr>
<td>Door does not close.</td>
<td>N.O.</td>
<td>No EN 16050 compliance.</td>
<td></td>
</tr>
<tr>
<td>Door does not close.</td>
<td>N.O.</td>
<td>No EN 16050 compliance.</td>
<td></td>
</tr>
<tr>
<td>Door does not close.</td>
<td>N.O.</td>
<td>No EN 16050 compliance.</td>
<td></td>
</tr>
<tr>
<td>Door does not close.</td>
<td>N.O.</td>
<td>No EN 16050 compliance.</td>
<td></td>
</tr>
</tbody>
</table>

NOTE

1. When the power ON, always wait the detection area to ensure the proper operation. 2. Do not place any objects that move near the door. (e.g. pillar, illumination, etc.)

Reference

Area depth adjustment with INFRARED FINDER (Separately available)

1. Turn the depth angle adjustment screws to the right (Deep) to place the detection area most away from the door.
2. Set INFRARED FINDER sensitivity to "H" (High) and place it on the floor as shown below.
3. Turn the depth angle adjustment screws to the left (Shallow) until the emitting area is placed at the position where INFRARED FINDER is in the low detection status. (Slow Red blinking)

Checking

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

<table>
<thead>
<tr>
<th>Entry</th>
<th>Power OFF</th>
<th>Outside of detection area</th>
<th>Entry into 1st row</th>
<th>Entry into 2nd row</th>
<th>Entry into 3rd row</th>
<th>Entry into 4th row</th>
<th>Infrared Presence detection</th>
<th>Infrared Motion detection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status</td>
<td>- Stand-by</td>
<td>Motion detection</td>
<td>Motion/Presence detection</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

To Service mode

Push 2 s

Inform building owner/operator of the following items

**WARNING**

1. Always keep the detection window clean. If dirty, wipe the window with a damp cloth. Do not use any cleaner/solvent.
2. Do not wash the sensor with water. Do not do anything, rebuild or repair the sensor yourself, otherwise an electric shock may occur.
3. When the operation indicator blinks green, contact your installer or service engineer.
4. Always contact your installer or service engineer when changing the settings.
5. Do not paint the detection window.
6. Do not place any objects that move near the door. (e.g. pillar, illumination, etc.)