AS1 trimmer
INSTRUCTION MANUAL

AREA sensor™

CONTROLS

The yellow LED ON indicates the presence of the object into controlled area.

POWER ON LED on receiver (RX)

The green LED ON indicates the desired device functioning.

The fast blinking of the green LED indicates a critical device alignment. Please refer to “DIAGNOSTICS” paragraph for other indications.

POWER ON LED on emitter (TX)

The green LED ON indicates the correct device functioning. Please refer to “DIAGNOSTICS” paragraph for other indications.

INSTALLATION MODE

Alien the two receiver and emitter units on rigid supports which are not subject to strong vibrations, using specific fixing brackets and/or the holes present on the device itself.

Precautions to respect when choosing and installing the device

- Choose the device according to the minimum object to detect and the maximum controlled area requested.
- In agroindustrial applications, the compatibility of light grid material and any chemical agents used in the production process has to be verified with the assistance of the DATALOGIC technical sales support department.
- The AREAscan™ light grids are NOT safety devices, and so MUST NOT be used in the safety control of the machines where installed.

General information on device positioning

- Mount the two receiver and emitter units on rigid supports which are not subject to
- Aligned strong vibrations, using specific fixing brackets and/or the holes present on the device itself.

- Avoid installation near very intense and / or blinking light sources, in particular near to the receiver unit.
- The presence of strong electromagnetic disturbances can jeopardise the correct functioning of the device. This condition has to be carefully evaluated and checked with the DATALOGIC technical sales support department.
- The AREAscan™ light grids are NOT safety devices, and so MUST NOT be used in the safety control of the machines where installed.

- Strong and frequent temperature variations, with very low peak temperatures, can cause passives reactions able to compromise object detection inside the controlled area.

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EMITTER UNIT:

<table>
<thead>
<tr>
<th>Signal</th>
<th>Status</th>
<th>Cause</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td>ON</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

OUT LED on emitter (TX)

The yellow LED ON indicates the presence of the object into controlled area.

RECEIVER UNIT:

<table>
<thead>
<tr>
<th>Pin</th>
<th>State</th>
<th>Cause</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>RX</td>
<td>OFF</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

FUNCTIONING AND PERFORMANCES

- Switching output (TX): 150 mA max.
- Consumption on emitter unit (TX): 150 mA max.
- Consumption on receiver unit (RX): 40 mA max. load excluded.
- ON/OFF output: 100 mA, short-circuit protected.
- Operating distance: 40 m at 10°C.
- Operating temperature: 0…+ 50 °C
- Operating distance: 0.3 - 2.1 m
- Emission type: Infra red (800 nm)
- Vibrations: 0.5 mm amplitude, 150 Hz frequency

Product with fixing bracket

DIMENSIONS

FRACKET

CONNECTIONS

<table>
<thead>
<tr>
<th>INPUT</th>
<th>OUTPUT</th>
</tr>
</thead>
<tbody>
<tr>
<td>RX</td>
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</tr>
<tr>
<td>TX</td>
<td>TX</td>
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<tr>
<td>SEL_RX</td>
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<td>SEL_TX1</td>
</tr>
<tr>
<td>SEL_TX2</td>
<td>SEL_TX2</td>
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</table>

ALARM CONDITIONS

1. OVERVOLTAGE or ELECTRIC SHOCK
2. SHORT CIRCUIT
3. OVERCURRENT
4. LOSS OF CONTROL

WARRANTY

DATALOGIC AUTOMATION warrants to the original end user that products are free from defects.

DATALOGIC AUTOMATION will repair or replace, free of charge, any product found to be defective during the warranty period of 36 months from the manufacturing date. This warranty does not cover damage or liability deriving from the improper application of DATALOGIC AUTOMATION products.

DATALOGIC AUTOMATION cares for the environment. 100% recycled paper.

DIAGNOSTICS

- Switching output is not powered.
- Device is not powered.
- If condition persists, contact Datelga.