Summary

- Power Supply for connection to a light grid of type LA/LT (with PNP-Output; transmitter without raised transmission capacity)
- Input voltage 230 Vac
- Plastic housing, IP65, cable feed-through with PG-fitting
- Floating relay contacts for switching signal
Connectivity Concept

Connection of Light Grids:

<table>
<thead>
<tr>
<th>Type</th>
<th>Output</th>
<th>Core</th>
<th>Function</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LT</td>
<td>Out 1</td>
<td>Black</td>
<td>Light switching</td>
<td>active with uninterrupted monitoring range</td>
</tr>
<tr>
<td></td>
<td>Out 2</td>
<td>Yellow</td>
<td>Dark switching</td>
<td>active with interrupted monitoring range</td>
</tr>
<tr>
<td>LA</td>
<td>Out 1</td>
<td>Yellow</td>
<td>Warning Output</td>
<td>active during malfunction</td>
</tr>
<tr>
<td></td>
<td>Out 2</td>
<td>Black</td>
<td>Signal Output</td>
<td>Light or dark switching</td>
</tr>
</tbody>
</table>

Circuit board view
Function

Relays
The relay is active when pin 11 is high.
Example light grid:

<table>
<thead>
<tr>
<th></th>
<th>Light switching</th>
<th>Dark switching</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beams disrupted</td>
<td>disengaged</td>
<td>engaged</td>
</tr>
<tr>
<td>Free monitoring</td>
<td>engaged</td>
<td>disengaged</td>
</tr>
</tbody>
</table>

Housing View

[Diagram of housing view with PG9 and PG7 fittings]
**Startup Instructions**

- Follow proper start-up procedures.
- For housing installation use only dedicated mounting holes. Do not drill any additional holes into the housing as it will terminate your warranty!
- Wires are clamped by spring terminals. Use only appropriate wire gauges.
- Connect power wires at the very end.
- Output Supply voltage to light grids (Plus 24Vdc: Pin 4,5; Minus: 8,9) is not short-circuit proof.
- Thoroughly tighten PG-fittings.
- Thoroughly mount housing cover.

**Technical Data**

- **Protection class (DIN 40050)**: IP 65
- **Connections**:
  - For one transmitter & receiver set (plus switching)
  - Spring terminals for wire core diameters of 0.2…1.5 mm²
- **Supply voltage**: 230 Vac (±10%), 50…60 Hz
- **Power consumption**: ~ 8 VA
- **Outputs**: Up to 250 V, 5 A, 1100 VA
- **Dimensions**: 160 mm x 80 mm x 55 mm (L x W x H)
- **Cable feed-through**:
  - 2x PG7-fitting for connecting light grid
  - 2x PG9-fitting for power, relays output, etc.
  - Cable core diameter 4.5…7 mm
- **Temperature range (ambient)**: -10…40 °C

Adhere to installation instructions and technical information for the light grid profiles.

Export information:
This product must only be exported to the USA with the explicit permission of the manufacturer.