Description

- Presence detector (PIR)
- Genuine daylight measurement
- Square detection area
- Automatic control of lighting and HVAC
- Lighting control with light threshold value and self-learning switch-on delay
- Choice of fully or semi automatic operation
- The square detection area allows accurate and simple planning
- Presence output for HVAC control: Switching behaviour is only controlled by presence
- The switching behaviour of the presence detector is controlled by presence and light
- The lighting switches on with darkness and presence and off with sufficient light or absence
- Presence output for HVAC control with switch-off delay
  - The self-learning switch-off delay adjusts to occupants' behaviour
  - Master/slave parallel switching: Several detectors can be connected with each other to increase the detection area. The master controls lighting and HVAC. All other detectors merely provide presence information as slaves
- The switching behaviour of the presence detector is controlled by presence and light
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- Presence output for HVAC control with switch-off delay
  - The self-learning switch-off delay adjusts to occupants' behaviour
  - Master/slave parallel switching: Several detectors can be connected with each other to increase the detection area. The master controls lighting and HVAC. All other detectors merely provide presence information as slaves
- Master/master parallel switching: Several detectors can be connected with each other to control several lighting groups. Every master controls its lighting group according to its own brightness measurements. Presence is detected by all the detectors
- Master or slave operating mode is selected via configuration.
- Test operation mode checks the detection area and configuration
- The parameters are set by ETS or potentiometer
- The presence detector has "Genuine daylight measurement" and is only suitable for switching fluorescent lamps (FL/PL)
- A maximum of 10 detectors can be switched at the same time

Technical data

<table>
<thead>
<tr>
<th>Operating voltage KNX</th>
<th>Bus voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recommended installation height</td>
<td>2 – 3.5 m</td>
</tr>
<tr>
<td>Setting range brightness</td>
<td>100 – 1600 lx</td>
</tr>
<tr>
<td>Detection angle</td>
<td>360°</td>
</tr>
<tr>
<td>Type of connection</td>
<td>KNX bus terminal</td>
</tr>
<tr>
<td>Installation type</td>
<td>Ceiling installation</td>
</tr>
<tr>
<td>Light switch-off delay</td>
<td>30 s-20 min</td>
</tr>
<tr>
<td>Lamps</td>
<td>Fluorescent lamps</td>
</tr>
<tr>
<td>Light measurement</td>
<td>Genuine daylight measurement</td>
</tr>
<tr>
<td>Presence switch-off delay</td>
<td>30 s-60 min</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>+0 °C … +45 °C</td>
</tr>
<tr>
<td>Type of protection</td>
<td>IP 40</td>
</tr>
</tbody>
</table>

Detection range

<table>
<thead>
<tr>
<th>Mounting height (A)</th>
<th>Walking (C)</th>
<th>Sitting (B)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 m</td>
<td>6 m x 6 m ±0.5 m</td>
<td>4.5 m x 4.5 m</td>
</tr>
<tr>
<td>2.5 m</td>
<td>8 m x 8 m ±0.5 m</td>
<td>6 m x 6 m</td>
</tr>
<tr>
<td>3 m</td>
<td>9 m x 9 m ±0.5 m</td>
<td>7 m x 7 m</td>
</tr>
<tr>
<td>3.5 m</td>
<td>10 m x 10 m ±1 m</td>
<td>8 m x 8 m</td>
</tr>
<tr>
<td>4 m</td>
<td>11 m x 11 m ±1 m</td>
<td>□</td>
</tr>
</tbody>
</table>

additional information at: www.theben.de/product/2029803
Scale drawings

Accessories

Surface frame ECO-IR 360 BK
- Article number: 9070643
  Details ▶ www.theben.de

QuickFix round cover BK
- Article number: 9070646
  Details ▶ www.theben.de

QuickFix square cover BK
- Article number: 9070649
  Details ▶ www.theben.de

QuickFix concrete round cover BK
- Article number: 9070652
  Details ▶ www.theben.de

QuickFix concrete square cover BK
- Article number: 9070655
  Details ▶ www.theben.de

Bus coupling unit KNX
- Article number: 9070524
  Details ▶ www.theben.de

QuickFix concrete flush-mounted box
- Article number: 9070521
  Details ▶ www.theben.de

QuickFix flush-mounted housing
- Article number: 9070522
  Details ▶ www.theben.de

QuickSafe
- Article number: 9070531
  Details ▶ www.theben.de