Innovative – The NEW KNX occupancy detector Generation 6

B.E.G. operates a policy of continuous product improvement and development. And reserve the right to change the product specifications at any time. Errors excepted.

The new Generation 6 KNX sensor has been completely revised and now meets more individual requirements:

- The new hardware enables a much smaller mounting depth, which makes installation considerably easier, particularly in restricted installation spaces, e.g. suspended ceilings.
- In addition, the detectors include, depending on model and variant an integrated sound sensor, temperature sensor and, for the Indoor 140-L wall switch, LEDs for orientation and night light function.

Yet more functionality

List of items

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Indoor 180 cover

Wire basket (200 x 90 mm)

<table>
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<tr>
<th>Accessory</th>
<th>92123 IR-PD-KNX</th>
<th>92726 IR-Adapter for Smartphones</th>
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<td>93067</td>
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KNX detectors from B.E.G. have a range of functionality unique in the market. Brand new functions include software actuation of individual movement sensors, integrated offset regulation for balancing different brightness levels within the room and the full-featured integrated logic module for complex connectivity.

Highlights

- Sensor sensitivity individually adjustable
- Setting and reading of parameters via bidirectional smartphone app
- Direction detection

Headquarter Germany (MENA Region)
Brück Electronic GmbH
Gerberstraße 33
· 51789 Lindlar
T +49 (0)2266-90121-0
F +49 (0)2266-90121-50
info@beg.de
beg-luxomat.com

B.E.G. UK Ltd
Apex Court – Grove House • Camphill Road
West Byfleet, Surrey KT14 6SQ
T +44 (0)870-850-5412
F +44 (0)870-850-5413
info@beguk.co.uk
beg-luxomat.com

94341, matt traffic white
94342, glossy anthracite
94344, matt creme white
94343, matt pure white
94344, matte pure white
Yet more functionality

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- Internal and external light sensor
- End-customer remote control
- Additional external light sensor
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*version-dependent
Innovative – KNX Generation 6

New software with original features in a modern case

Basic – Economic solution for simple requirements

Standard – comprehensive solution for common requirements

Deluxe – premium solution for demanding applications
### Software

<table>
<thead>
<tr>
<th>Feature</th>
<th>BA</th>
<th>ST</th>
<th>DX</th>
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<tbody>
<tr>
<td><strong>New ETS interface</strong></td>
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<tr>
<td>Only the activated detector functions are now shown in the overview</td>
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<tr>
<td><strong>Optimum light measurement</strong></td>
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<tr>
<td>Several brightness sensors can be used simultaneously for light measurement, and their values can be individually weighted.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Changes in daylight</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Each detector can function both as a master in its own area and a slave for other areas (additional brightness object). For regulation purposes, the lowest light level of the defined area is taken, and this can be measured by different detectors as the day progresses</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Individual sensor adjustment</strong></td>
<td>PD4</td>
<td>RC-plus next, PD4</td>
<td>PD4</td>
</tr>
<tr>
<td>Per-sensor adjustment of sensitivity, the sensors can also be completely switched off individually.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Direction detection</strong></td>
<td>PD4</td>
<td>RC-plus next, PD4</td>
<td>PD4</td>
</tr>
<tr>
<td>The sensors can detect the direction of movement, and different follow-up times can be set for different directions (follow-up time set per sensor)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Offset function for uniform room</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>illumination, offset values can be stored for 3 lighting runs in regulation and switching modes.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Simulated presence</strong></td>
<td></td>
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<tr>
<td>Random switching on and off of the lighting below a certain brightness value for a given period (e.g. 6pm-11pm)</td>
<td></td>
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<tr>
<td><strong>Short occupancy</strong></td>
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<tr>
<td>If a user is in a room for a period shorter than the defined time, the follow-up time is reduced proportionally</td>
<td></td>
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<tr>
<td><strong>Logic module</strong></td>
<td></td>
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</tr>
<tr>
<td>Independent of detector operation, can be used for any KNX telegram</td>
<td></td>
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<td></td>
</tr>
<tr>
<td><strong>Remote control-capable</strong></td>
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<tr>
<td>Programmable and security-lockable with the IR-PD-KNX</td>
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<tr>
<td><strong>Bidirectional remote control-capable</strong></td>
<td></td>
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</tr>
<tr>
<td>The free B.E.G. app and the IR adapter for compatible smartphones mean that detectors can not only be programmed but also interrogated. A security PIN protects the detectors from external access.</td>
<td></td>
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</tr>
<tr>
<td><strong>HVAC mode</strong></td>
<td></td>
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</tr>
<tr>
<td>Sends telegrams for control of heating (standby, economy etc.)</td>
<td></td>
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<tr>
<td><strong>Periodic transmission of motion detection</strong></td>
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<tr>
<td>If required, information on movement in a room can be transmitted regularly</td>
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## Hardware

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<thead>
<tr>
<th>Feature</th>
<th>BA</th>
<th>ST</th>
<th>DX</th>
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</thead>
<tbody>
<tr>
<td>Channel 1 switching depending on light level</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Channel 2 switching independent of light level</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Channel 1, 3 and 4 switching either depending on light level or not</td>
<td></td>
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<tr>
<td>Two light sensors</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>The detector has an internal light sensor (covers wide areas) and an</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>external light sensor (localised); see software</td>
<td>PD2, PD4</td>
<td>PD2, PD4</td>
<td>PD2, PD4</td>
</tr>
<tr>
<td>Additional external light sensor</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>for a precise light measurement f. ex. on the desk. The external</td>
<td></td>
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</tr>
<tr>
<td>light sensor communicates via infrared interface with the KNX</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>occupancy detector.</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Sound sensor</td>
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<td></td>
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<tr>
<td>detects noises above a threshold which is individually adjustable,</td>
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<td></td>
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<tr>
<td>enables reactivation of the lighting by sound detection</td>
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<tr>
<td>Temperature sensor</td>
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<tr>
<td>measures the temperature. An offset value can be stored to compensate</td>
<td></td>
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<tr>
<td>for the difference in height between the ceiling and desk.</td>
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</tr>
<tr>
<td>End-customer remote control</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>with five buttons, freely configurable (e.g. switching, dimming,</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>blinds, scenes)</td>
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<td></td>
</tr>
<tr>
<td>Integrated LED</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>to provide night and orientation lighting</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Two freely-configurable buttons</td>
<td></td>
<td></td>
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<tr>
<td>for programming as required, e.g. control of roller shutters or scene</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>changes</td>
<td></td>
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</tr>
<tr>
<td>Low mounting depth</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>substantially flatter case for simpler mounting when space is</td>
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<td></td>
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<tr>
<td>restricted</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>World first</td>
<td></td>
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<tr>
<td>the worlds smallest KNX occupancy detector</td>
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PD2, PD4, Indoor 180, Indoor 140-L, Indoor 140-L, PD2, PD4, PICO, PICO
B.E.G.
The lighting control professionals

LUXOMAT®
net

Intelligent building automation

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Accessory

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<td>92631</td>
<td>traffic white</td>
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<tr>
<td>92634</td>
<td>anthracite</td>
</tr>
<tr>
<td>92633</td>
<td>silver</td>
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<tr>
<td>92632</td>
<td>pearl white</td>
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<tr>
<td>92630</td>
<td>pure white</td>
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Indoor 180 cover

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<thead>
<tr>
<th>Part number</th>
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<tbody>
<tr>
<td>94341</td>
<td>matt anthracite</td>
</tr>
<tr>
<td>94342</td>
<td>glossy pure white</td>
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<tr>
<td>94344</td>
<td>matt creme white</td>
</tr>
<tr>
<td>94343</td>
<td>matt pure white</td>
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Indoor 140-L cover

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