

**B.E.G. LUXOMAT® net**

Intelligent  
building  
automation



Innovative – The NEW KNX occupancy detector Generation 6



[beg-luxomat.com](http://beg-luxomat.com)

# KNX GEN 6



## Yet more functionality

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.

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\**

- Internal and external light sensor
- End-customer remote control
- Additional external light sensor
- Sensor sensitivity individually adjustable
- Setting and reading of parameters via bidirectional smartphone app
- Direction detection

\*version-dependent

# Innovative – KNX Generation 6



*New software with original features in  
a modern case*



**BA** Basic – Economic solution for  
simple requirements



**ST** Standard – comprehensive solution  
for common requirements



**DX** Deluxe – premium solution for  
demanding applications



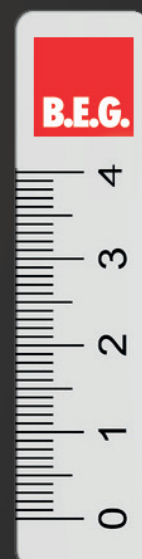
## Software

|   |   |     |                   |
|---|---|-----|-------------------|
| <b>New ETS interface</b><br>Only the activated detector functions are now shown in the overview   | ■ | ■   | ■                 |
| <b>Optimum light measurement</b><br>Several brightness sensors can be used simultaneously for light measurement, and their values can be individually weighted.   |   | ■   | ■                 |
| <b>Changes in daylight</b><br>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 |   | ■   | ■                 |
| <b>Individual sensor adjustment</b><br>Per-sensor adjustment of sensitivity, the sensors can also be completely switched off individually.  |   | PD4 | RC-plus next, PD4 |
| <b>Direction detection</b><br>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)   |   | PD4 | RC-plus next, PD4 |
| <b>Offset function for uniform room illumination</b><br>illumination, offset values can be stored for 3 lighting runs in regulation and switching modes.  |   | ■   | ■                 |
| <b>Simulated presence</b><br>Random switching on and off of the lighting below a certain brightness value for a given period (e.g. 6pm-11pm)  |   |     | ■                 |
| <b>Short occupancy</b><br>If a user is in a room for a period shorter than the defined time, the follow-up time is reduced proportionally   |   | ■   | ■                 |
| <b>Logic module</b><br>Independent of detector operation, can be used for any KNX telegram  |   |     | ■                 |
| <b>Remote control-capable</b><br>Programmable and security-lockable with the IR-PD-KNX  |   | ■   | ■                 |
| <b>Bidirectional remote control-capable</b><br>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.  |   | ■   | ■                 |
| <b>HVAC mode</b><br>Sends telegrams for control of heating (standby, economy etc.)  |   | ■   | ■                 |
| <b>Periodic transmission of motion detection</b><br>If required, information on movement in a room can be transmitted regularly   |   | ■   | ■                 |



## Hardware

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





## List of items

| Part number | Description                  |
|-------------|------------------------------|
| 92123       | IR-PD-KNX                    |
| 92719       | PICO-KNX-DX-FC               |
| 93067       | BLE-IR-Adapter               |
| 93307       | Mounting kit PD2N/4N-SM IP54 |
| 93360       | PD2N-KNX-DX-FC               |
| 93361       | PD2N-KNX-DX-FM               |
| 93362       | Indoor 180-KNX-BA            |
| 93363       | Indoor 180-KNX-ST            |
| 93364       | Indoor 180-KNX-DX            |
| 93380       | PD2N-KNX-BA-FC               |
| 93381       | PD2N-KNX-BA-FM               |
| 93382       | PD2N-KNX-ST-FC               |
| 93383       | PD2N-KNX-ST-FM               |
| 93384       | PD4N-KNX-ST-FC               |

| Part number | Description                      |
|-------------|----------------------------------|
| 93385       | PD4N-KNX-ST-FM                   |
| 93386       | PD4N-KNX-DX-FC                   |
| 93387       | PD4N-KNX-DX-FM                   |
| 93388       | PD4N-KNX-K-DX-FC                 |
| 93389       | PD4N-KNX-K-DXFM                  |
| 93390       | PD9-KNX-DX-FC                    |
| 93391       | PD9-KNX-DX-GH-FC                 |
| 93392       | PD11-KNX-FLAT-DX-FC              |
| 93393       | Indoor 140-L-KNX-DX              |
| 93394       | RC-plus next N 230 KNX-DX, white |
| 93395       | RC-plus next N 230 KNX-DX, black |
| 93399       | PD4-KNX-GH-DX-SM                 |
| 93802       | PD11-KNX-FLAT-ST-FC              |
| 93803       | PD11-KNX-FLAT-BA-FC              |

## Accessory

### Indoor 180 cover



92631  
traffic white



92634  
anthracite



92633  
silver



92632  
pearl white



92630  
pure white

### Indoor 140-L cover



94341, matt  
anthracite



94342, glossy  
pure white

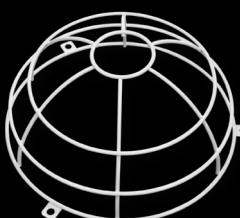


94344, matt  
creme white



94343, matt  
pure white

Wire basket (200 x 90 mm)



92123 IR-PD-KNX



93398 IR-PD-KNX



92726 IR-Adapter  
for Smartphones



93067 IR-BT-Adapter  
for Smartphones

