B.E.G. LUXOMAT®

RC-plus next N – the new premium category

Modern sensor technology for every requirement

The new RC-plus-next-N family of products, like its predecessors, covers all typical use cases with three detection areas of 130°, 230° and 280° and comes in the familiar colours of white, black, brown and stainless steel finish. All detectors can be set up for wall, corner or ceiling mounting, using the practical swivel mechanism. And of course, despite the facelift, the new detectors are compatible with the well-established B.E.G. RC-plus and RC-plus-next sockets, which have sold millions over their 20-year history. The single-hand push socket guarantees simple mounting. New features are the introduction of digital sensors, which can be fine-tuned by remote control. Quality of detection has been improved yet again, and it now offers a temperature-stabilised range of up to 20m. The swivelling spherical optical sensor, and the ability to mechanically adjust the range of each sensor separately, means that uniquely in this format, the motion detector can be adjusted to the room's geometry. B.E.G. detectors do not require an additional socket, for example to look diagonally downwards. As before, all settings and programs such as the photoelectric switch or holiday and comfort function can be set up via the B.E.G. remote control or the B.E.G. app.

With an NC button in the supply, the new detector can be switched on as well as off. A practical way of manually changing the detector's status. After the follow-up time expires, the detector then goes back to automatic mode.
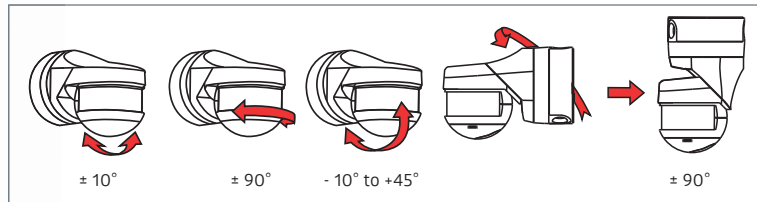
Product information and technical data

- Motion detector with 130°, 230° or 280° detection area and anti-creep zone
- Adjustable head
- Mechanical range adjustment can be set per sensor
- **Digital sensors and improved algorithms**
- Simple installation with push-fit socket
- Wall, ceiling or corner mounting
- Immediate commissioning option with factory settings
- Additional functions can be set up using the optional remote control
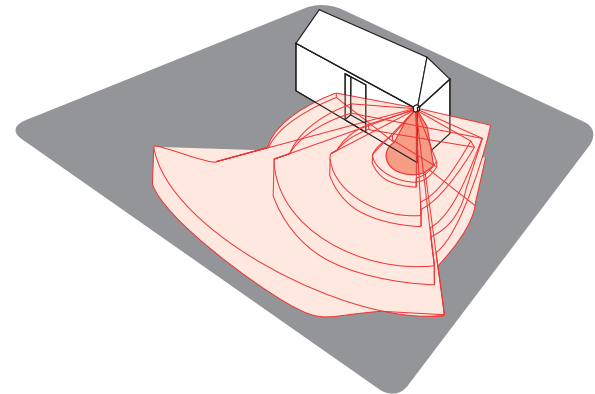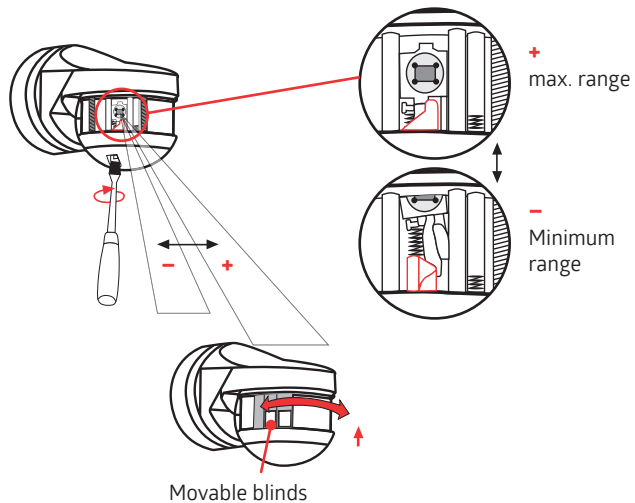- Remotely switchable with NC button or switch

Functions and setup

A	Blinds for blocking unwanted detection areas
B	Adjuster for precise mechanical range adjustment, individually for each sensor
C	Socket
D	Potentiometers for follow-up time and lux values
E	360° anti-creep zone, can be switched off by remote control

± 10°   ± 90°   - 10° to +45°   ± 90°

By moving the adjustable head in different directions, the detection area can be set up perfectly. The detector can also be mounted on the ceiling by turning the socket through 90°.
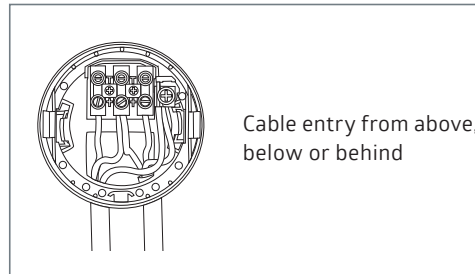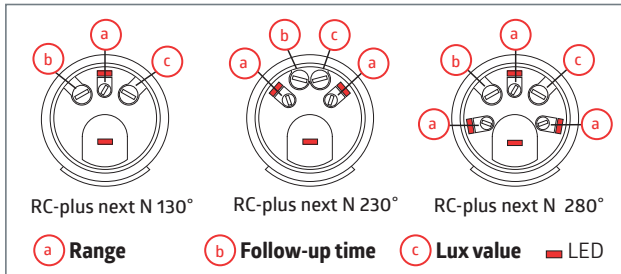
Settings and adjustment on device

Adjustment of range and detection angle

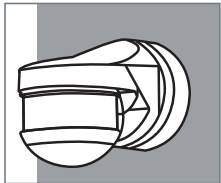

+ max. range

− Minimum range

Movable blinds

The range can be precisely adjusted by individual mechanical setting of each separate sensor. One sensor in the 130° model, two in the 230° model and three in the 280° model can be set independently of each other.

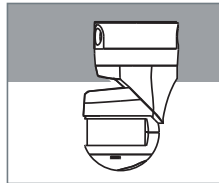# Potentiometers and mounting options
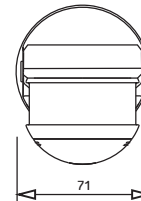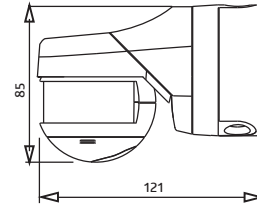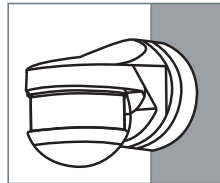
Potentiometers

RC-plus next N 130°

RC-plus next N 230°

RC-plus next N 280°

(a) **Range**   (b) **Follow-up time**   (c) **Lux value**   ▬ LED

Cable entry from above, below or behind

Wall mounting

Ceiling mounting

External corner mounting

85

121

71

Technical Data

white
RC-plus next 130/230/280
Part-Nr.: 93321/93331/93341

brown
RC-plus next 130/230/280
Art.-Nr.:93324/93334/93344

black
RC-plus next 130/230/280
Part-Nr.: 93323/93333/93343

stainless steel finish
RC-plus next 230
Part-Nr.: 93346

Voltage:	110-240 V AC 50/60Hz (available with other mains voltages on request)
Typical power consumption:	approx. 0.5 W
Recommended mounting height:	2.5 m
Dimensions:	121 x 71 x 85 mm
Protection rating/class:	IP54 / Class II
Ambient temperature:	-25°C to +50°C
Case:	Polycarbonate, UV-resistant
Switching capacity:	3000 W, cos φ = 1 1500 VA, cos φ = 0.5 max. inrush current peak Ip (20 ms) = 165 A (200 µs) = 800 A 300 W LED
Contact type:	microcontact, NO switch with tungsten pre-make contact
Follow-up time:	15 sec - 16 min, pulse
Switch-on threshold:	2-2000 Lux

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