Energio SENSORS

Technical data sheet

ES-TS-108

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RC-plus next outdoor motion detectors

Stand-alone line-voltage PIR motion detectors for building exteriors, parking and high-bay areas

Made by B.E.G. Controls

RC-plus next is B.E.G.'s outdoor motion detector family: a line-voltage PIR detector with a built-in relay and light sensor that switches the lights on its own, with no network, gateway or software. A swivelling ball-head optic and mechanical range adjustment let it be aimed to fit the space, and a plug-in base makes wall, ceiling and corner mounting quick. Three models cover 130°, 230° and 280° detection angles.

66 ft
range across (20 m)

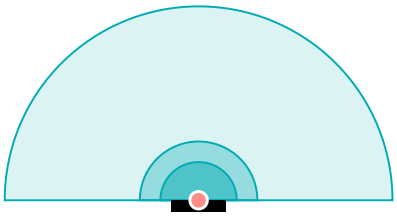
280°
widest detection angle

IP54
outdoor rated

Features

- Stand-alone: built-in relay and light sensor, works out of the box
- 130°, 230° or 280° horizontal detection, up to 66 ft (20 m) across
- Anti-creep zone under the sensor, up to 13 ft (4 m)
- Adjustable ball head and mechanical range adjustment per zone
- Plug-in base for wall, ceiling and corner mounting; socket compatible with earlier RC-plus and Vario
- Different time-out depending on direction of movement
- Factory set to 3 min and 20 lux; more functions by optional IR remote or B.E.G. app
- IP54, UV-resistant polycarbonate housing, -13 °F to 122 °F

Coverage



- Across · up to 66 ft (20 m)
- Toward · up to 20 ft (6 m)
- Anti-creep · up to 13 ft (4 m)

Wall mount at 8 ft (2.5 m). Simplified pattern; detection angle is 130°, 230° or 280° by model.



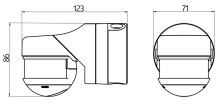
RC-plus next N 130



RC-plus next N 230



RC-plus next N 280



Dimensions (mm)

Specifications

Specification	RC-plus next N 130 / N 230 / N 280
Supply voltage	110–240 V AC, 50/60 Hz
Power consumption	approx. 0.5 W

Specification	RC-plus next N 130 / N 230 / N 280
Detection angle (wall mount)	130° / 230° / 280°
Range	66 ft (20 m) across · 20 ft (6 m) toward · 13 ft (4 m) anti-creep
Monitored area (8 ft mount)	4,840 / 8,610 / 10,440 ft² (450 / 800 / 970 m²)
Mounting height	6.5–16 ft (2–5 m); 8 ft (2.5 m) recommended
Switching	1 NO relay with tungsten pre-make contact; 800 W LED, 3000 W resistive (B.E.G. international rating)
Time-out	15 s – 16 min, or pulse
Light threshold	2 – 500 lux
Protection	IP54 / Class II, IK03
Operating temperature	-13 °F to 122 °F (-25 °C to +50 °C)
Housing	UV-resistant polycarbonate; white (N 230 also black, brown, silver)
Dimensions	4.8 × 2.8 × 3.3 in (121 × 71 × 85 mm)

Ordering information

Model	B.E.G. item no.	Description
RC-plus next N 130	93321	130° outdoor motion detector, white
RC-plus next N 230	93331	230° outdoor motion detector, white (also black, brown, silver)
RC-plus next N 280	93341	280° outdoor motion detector, white
IR-RC / IR-RC-Mini	92000 / 92090	Optional IR remote controls for settings
BLE-IR-Adapter	93067	Bluetooth adapter for set-up with the B.E.G. app
Corner sockets	97004 / 97005	Outside / inside corner socket
Wire basket BSK	92467	Impact guard for sports halls and loading areas
Blinds RC-plus next	32697	Masks to block unwanted detection zones

Applications

- Building entrances and access roads
- Parking lots and parking garages
- Loading docks and yards
- Walkways, gateways and narrow passages (N 130)
- High-bay warehouses

Application notes

- RC-plus next switches the load itself and needs no network. Several detectors can be wired in parallel to cover a larger area.
- Item numbers and ratings are from B.E.G.'s international catalog. Confirm UL listing, 120 V ratings and North American part numbers with Energio before submittal.
- Faulty switching from animals can be reduced by lowering the sensitivity.

Data from B.E.G. product data, RC-plus next N 130 (93321), N 230 (93331) and N 280 (93341). Energio Sensors products are manufactured by B.E.G. Controls and specified, sold and supported in North America by Energio Brands. Specifications are subject to change; confirm against the manufacturer's current data before submittal. Product images courtesy of the manufacturer. All trademarks belong to their respective owners.