

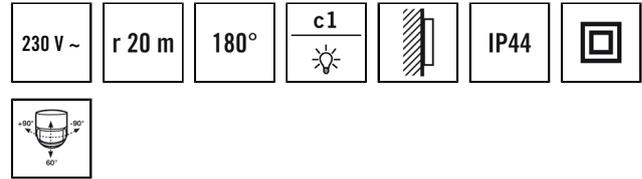
MD 180 BASIC white

Item number **GTIN**
EM10055089 4015120055089



Technical data

| GENERAL | |
|---------------------------------|---|
| Device category | Outdoor motion detector |
| Product information | Please note the Explanation of circuit breaker in the download area of the product! |
| User interface | Adjusting controller |
| Remote controllable | – |
| Conformity | CE, EAC, RoHS, WEEE |
| Warranty | 5 years |
| ATTACHMENT | |
| Installation type | Surface mounting |
| Installation position | Wall |
| Type of connection | Push terminal |
| Connectable wire cross section | 1.5 – 1.5 mm ² |
| HOUSING | |
| Dimensions | Length 80 mm x Width 55 mm x Height/Depth 66 mm |
| Weight | 134 g |
| Material | UV-stabilised polycarbonate |
| Protection type | IP44 |
| Permissible ambient temperature | -20 °C...+40 °C |
| Relative humidity | 5 – 95 %, non-condensing |
| Colour | white, similar to RAL 9010 |
| ELECTRICAL VERSION | |
| Control system | ON/OFF |
| Protection class | II |
| Nominal voltage | 230 V ~ / 50 Hz |
| In-rush current | 40 A / 20 ms |



Product description

- Motion detector with **180° field of detection** for convenient light switching
- Sensing and range adjustment due to revolving and tilting spherical head technology

Offers special product features like:

- Zero-cross switching

| | |
|----------------------|---------|
| Power consumption | 0.5 W |
| Stand-by consumption | < 0.5 W |

| SENSORS | |
|---------------------------------|--|
| Detection angle | 180° horizontally and vertically rotatable +/- 30° |
| Detection range diagonally | Ø 20 m |
| Detection range head-on | Ø 10 m |
| Field of detection | up to 157 m ² |
| Range adjustment | Mechanical |
| Recommended installation height | 2.5 m |
| Max. mounting height | 3 m |
| Light measurement | mixed light |
| Level of brightness | 5 – 1000 lx |

| CHANNELS (LIGHTING / HVAC) | |
|---|---|
| Number of light channels | 1 |
| Push button input HVAC | – |
| Number of parallel switchable detectors | 6 |
| Slave input | – |
| Constant light control | – |
| Channel | C1 Lighting |
| Function | Switching |
| Switching capacity | 230 V/50 Hz 800 W/5 A (cos phi = 1) 500 VA/2,5 A (cos phi = 0,5) 250 W LED |
| Switch contact | make contact / non-floating |
| Push button input | – |
| Impulse mode | – |

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Switch-off delay time 10 s...15 min (adjustable in steps)

Factory settings

GENERAL

Sensitivity 100 %

CHANNELS (LIGHTING / HVAC)

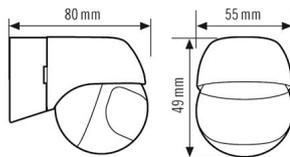
Channel C1 Lighting

Operating mode fully automatic

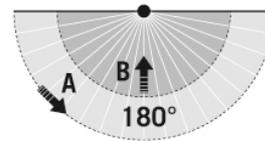
Accessories

| Product designation | Item number | Product description | GTIN |
|----------------------------------|-------------|--|---------------|
| Accessories | | | |
| SRM-230V relay module | EP10426346 | | 4015120426346 |
| Electrical accessories | | | |
| ILR-230V current-limiting module | EP10426353 | Current-limiting module for protecting the relay contact of a presence and motion detector | 4015120426353 |

Dimension drawing



Field of detections



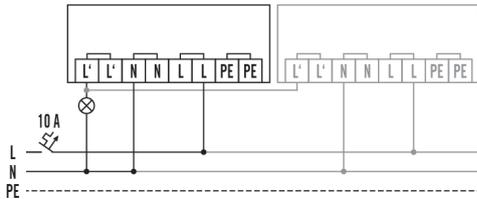
Detection range

| | |
|----------------|--------|
| Diagonally (A) | Ø 20 m |
| Frontal (B) | Ø 10 m |

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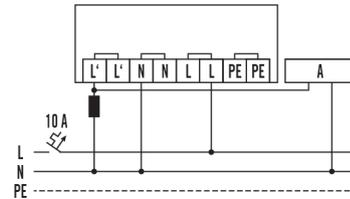
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Circuit diagram



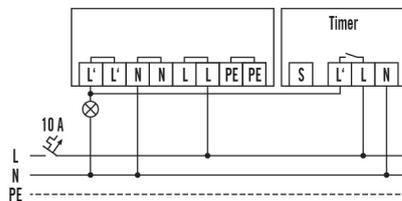
Standard operation with optional parallel wiring of max. six motion detectors.

Circuit diagram

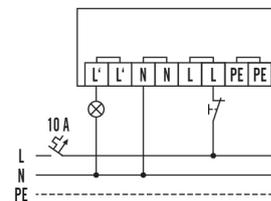


When connecting inductors (e.g. relays, contactors, ballasts) the use of a filter (A) may be necessary.

Circuit diagram



Circuit diagram



Standard operation with the additional possibility of switching on by hand.

Detailed product description

- Motion detector with **180° field of detection** for convenient light switching
- Double diaphragm line entrance
- Connection base with push terminal and rear cable entry
- Sensing and range adjustment due to revolving and til