

MD 120 white

Item number EM10025211
GTIN 4015120025211



Technical data

| GENERAL | |
|---------------------------------|---|
| Device category | Outdoor motion detector |
| Product information | Please note the Explanation of circuit breaker in the download area of the product! Intense sunlight over a longer period of time can change the color tone. |
| 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 - 2,5 mm ² |
| HOUSING | |
| Dimensions | Length 102 mm x Width 74 mm x Height/Depth 81 mm |
| Weight | 184 g |
| Material | UV-stabilised polycarbonate |
| Protection type | IP44 |
| Permissible ambient temperature | -25 °C...+55 °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 AC / 50 Hz |

Product description

- Motion detector with **120° field of detection** for convenient light switching
- Sensing and range adjustment due to revolving and tilting spherical head technology
- Special bracket for mounting on inner and outer corners, available as accessory

Offers special product features such as:

- One-hand plug-in base
- Zero-cross switching

| In-rush current | 30 A / 20 ms |
|---|---|
| Power consumption | 0,5 W |
| SENSORS | |
| Detection angle | 120° sensor horizontally rotatable +/- 90° |
| Detection range diagonally | 12 m |
| Detection range head-on | 5 m |
| Field of detection | up to 151 m ² |
| Range adjustment | mechanically by tilting the motion detector head max 80° |
| Recommended installation height | 2,5 m |
| Max. mounting height | 2,5 m |
| Light measurement | mixed light |
| Level of brightness | 10 - 2000 lx |
| CHANNELS (LIGHTING / HVAC) | |
| Number of light channels | 1 |
| Push button input HVAC | - |
| Number of parallel switchable detectors | 8 |
| Slave input | - |
| Switching delay from "dark to light" | 0 s |
| Switching delay from "light to dark" | 0 s |
| Constant light control | - |
| Channel | C1 Lighting |
| Function | Switching |
| Switching capacity | 230 V/50 Hz 1000 W/4,5 A (cos phi = 1) 500 VA/2,25 A (cos phi = 0,5) 250 W LED |
| Switch contact | make contact / non-floating |

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| | | | |
|-------------------|---|-----------------------|-------------------------------------|
| Push button input | - | Switch-off delay time | 10 s...15 min (adjustable in steps) |
| Impulse mode | - | | |

Factory settings

| GENERAL | | CHANNELS (LIGHTING / HVAC) | |
|-------------|-------|----------------------------|-----------------|
| Sensitivity | 100 % | Channel | C1 Lighting |
| | | Operating mode | fully automatic |

Accessories

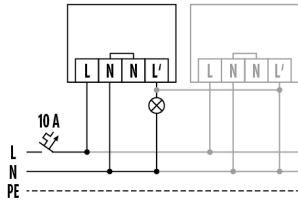
| Product designation | Item number | Product description | GTIN |
|-------------------------------|-------------|---|---------------|
| Electrical accessories | | | |
| FILTER 230 V | EP10426988 | Filter for suppression of inductive loads, such as relays, contactors, fluorescent lamps and transformers | 4015120426988 |
| Mounting | | | |
| MD EDGE MOUNTING WH | EM10025518 | Corner bracket for MD series, white | 4015120025518 |

| Dimension drawing | Field of detections | Detection range | |
|-------------------|---------------------|---|---|
| | | <ul style="list-style-type: none"> ■ Diagonally (A) ■ Frontal (B) | <ul style="list-style-type: none"> 12 m 5 m |

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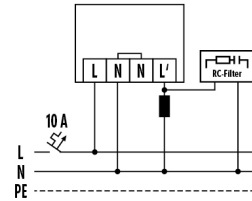
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Circuit diagram



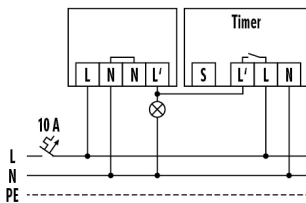
Standard operation with optional parallel wiring of max. eight motion detectors.

Circuit diagram



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

Circuit diagram



Standard operation with automatic stairwell light.

Detailed product description

- Motion detector with **120° field of detection** for convenient light switching
- One-handed plug-base installation for quick and easy installation
- Double diaphragm line entry
- Connector bracket with large wiring space and optional line entrance from the top, bottom or rear
- Plug-in terminal for through-wiring of the protective conductor included
- Sensing and range adjustment due to revolving and tilting spherical head technology
- Zero-cross switching: Extension of the lifetime of relays and illuminants with electronic ballasts (e.g. fluorescent lamps, LEDs) thanks to more gentle zero-cross switching
- For wall mounting
- Special bracket for mounting on inner and outer corners, available as accessory