

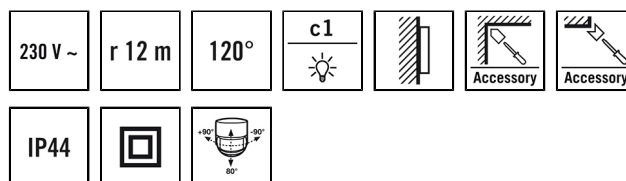
MD 120 weiss

Item number **GTIN**
EM10025211 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! |
| 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 | 1.50 – 2.50 mm ² |
| HOUSING | |
| Dimensions | Length 102 mm x Width 74 mm x Height/Depth 81 mm |
| Weight | 196 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 ~ / 50 Hz |
| In-rush current | 30 A / 20 ms |



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 like:

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

| 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 | 3 - 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 |
| Push button input | – |

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| | | | |
|--------------|---|-----------------------|------------------------------------|
| Impulse mode | – | Switch-off delay time | 4 s...10 min (adjustable in steps) |
|--------------|---|-----------------------|------------------------------------|

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 |

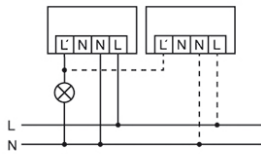
| Mounting | | | |
|---------------------|------------|-------------------------------------|---------------|
| MD EDGE MOUNTING WH | EM10025518 | Corner bracket for MD series, white | 4015120025518 |
| MD EDGE MOUNTING BN | EM10025525 | Corner bracket for MD series, brown | 4015120025525 |
| MD EDGE MOUNTING BK | EM10025532 | Corner bracket for MD series, black | 4015120025532 |

| Dimension drawing | Field of detections | Detection range | | | |
|-------------------|---------------------|---|--|------|-----|
| | | <ul style="list-style-type: none"> ■ Diagonally (A) ■ Frontal (B) | <table border="1"> <tr> <td>12 m</td> </tr> <tr> <td>5 m</td> </tr> </table> | 12 m | 5 m |
| 12 m | | | | | |
| 5 m | | | | | |

MD 120 weiss

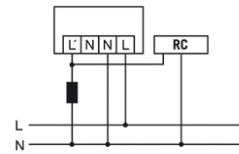
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Circuit diagram



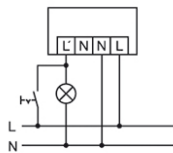
Standard operation parallel connection of max. 8 devices

Circuit diagram



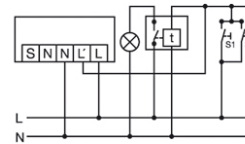
An RC filter may be required when connecting inductors (e.g. relays, contactors, ballasts).

Circuit diagram



Standard operation with additional continuous lighting function through external switch.

Circuit diagram



Parallel connection with automatic stairwell light.