

DATA SHEET

ESYLUX

MD-W 200i white

Item number

EM10041006

GTIN

4015120041006



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, IR remote control |
| 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 | Height/Depth 55 mm, Ø 110 mm |
| Weight | 198 g |
| Material | UV-stabilised polycarbonate |
| Protection type | IP55 |
| 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 | 800 A / 200 µs |

| | | | | | | |
|---------|--------|--------|----------|----|--|--|
| 230 V ~ | r 12 m | 200° | 2 x 100° | c1 | | |
| IP55 | | IR))) | | | | |

Product description

- Motion detector with **200° field of detection** in modern design
- Covering cap accessories for a colourful look
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

Offers special product features like:

- One-hand plug-in base

| Power consumption | 0.3 W |
|---|---|
| SENSORS | |
| Detection angle | 200° (2 x 100° separately adjustable) |
| Detection range diagonally | Ø 20 m |
| Detection range head-on | Ø 10 m |
| Field of detection | up to 175 m ² |
| Range adjustment | mechanically with internal lens cover |
| Recommended installation height | 2.5 m |
| Max. mounting height | 2.5 m |
| Light measurement | mixed light |
| Level of brightness | 2 – 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, 16 AX 2300 W/10 A (cos phi = 1) 1150 VA/5 A (cos phi = 0,5) 600 W LED |
| Switch contact | make contact / non-floating |
| Push button input | – |
| Impulse mode | ✓ |

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Switch-off delay time 15 s...16 min (adjustable in steps)

Factory settings

GENERAL

Sensitivity 100 %

CHANNELS (LIGHTING / HVAC)

Channel C1

Operating mode Light ON

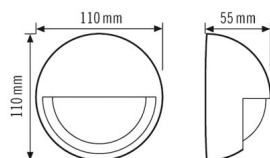
Level of brightness/switching threshold 10 lx

Switch-off delay time 2 min

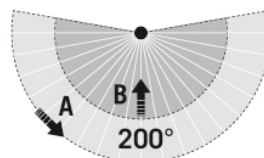
Accessories

| Product designation | Item number | Product description | GTIN |
|----------------------------------|-------------|--|---------------|
| Cover | | | |
| MD-W COVER BN | EM10041105 | Cover cap for MD-W series, brown | 4015120041105 |
| MD-W COVER BK | EM10041112 | Cover cap for MD-W series, black | 4015120041112 |
| MD-W COVER SR | EM10041129 | Cover cap for MD-W series, silver | 4015120041129 |
| Electrical accessories | | | |
| ILR-230V current-limiting module | EP10426353 | Current-limiting module for protecting the relay contact of a presence and motion detector | 4015120426353 |
| Remote control | | | |
| ESY-Pen | EP10425356 | ESY-Pen and ESY-App, two tools for every task: (1) Parameterisation, (2) remote control, (3) light measurement, (4) project management | 4015120425356 |
| REMOTE CONTROL USER | EM10016011 | IR remote control for end users | 4015120016011 |

Dimension drawing



Field of detections



Detection range

Diagonally (A) Ø 20 m

Frontal (B) Ø 10 m

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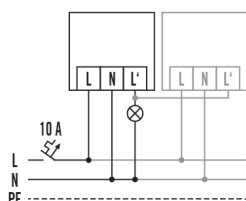
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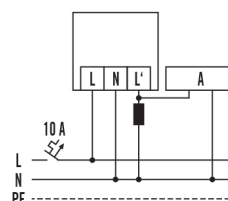
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Circuit diagram



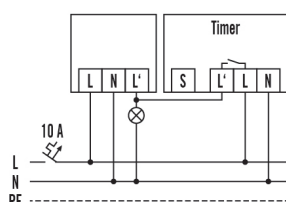
Standard operation with optional parallel wiring of max. eight motion detectors.

Circuit diagram

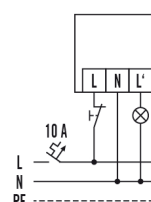


An RC filter (A) may be required when connecting inductors (e.g. relays, contactors, ballasts).

Circuit diagram



Circuit diagram



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

Detailed product description

- Motion detector with **200° field of detection** in modern design
- Covering cap accessories for a colourful look
- 16 A high-performance relay (tungsten pre-contact), ideal for switching capacitive loads such as electronic ballasts, parallel-compensated fluorescent lamps, compact fluorescent lamps, energy saving lamps
- Default settings ensure immediate operability
- Can be programmed by remote control, e.g. continuous lighting ON/OFF and automatic storage of the current light value
- One-hand plug-base installation
- Compatible with many European installation boxes (60 mm screw spacing)
- Double diaphragm line entry
- Entry fitting optionally from the top, bottom or rear
- white spacer for surface cable feed
- Plug-in terminal for through-wiring of the protective conductor included
- Sensor range adjustment with adjustable internal lens cover
- Concealed setting elements prevent unintentional parameter adjustment
- For wall mounting
- Individual areas can be masked using the covering cap provided (can be customised)