

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! Intense sunlight over a longer period of time can change the color tone.
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

Ø 20 m	200°	ON/OFF	IP55	1 CH	
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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

In-rush current	800 A / 200 µs
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	-

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Impulse mode	✓	Switch-off delay time	15 s...16 min (adjustable in steps)
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Factory settings

GENERAL		Operating mode	
Sensitivity	100 %	Level of brightness/switching threshold	Light ON
CHANNELS (LIGHTING / HVAC)		Switch-off delay time	10 lx
Channel	C1	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
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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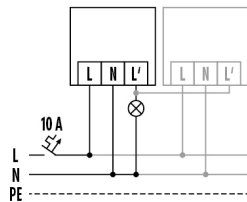
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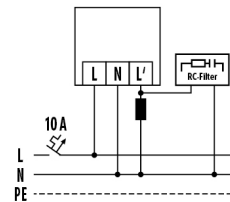
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Circuit diagram



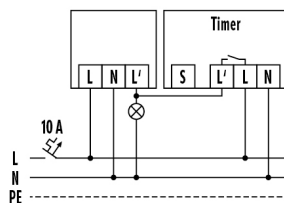
Standard operation with optional parallel wiring of max. eight motion detectors.

Circuit diagram



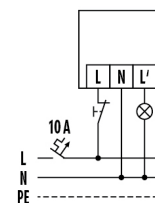
An RC filter (A) may be required when connecting inductors (e.g. relays, contactors, ballasts).

Circuit diagram



Standard operation with automatic stairwell light.

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)