DATA SHEET

ESYLUX

MD 120 black

Item number	GTIN
EM10025235	4015120025235



5 YEARS MANUFACTURER WARRANTY

r 12 m | 120° | ON/OFF | IP44 | 1 CH

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

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	black, similar to RAL 9005

ELECTRICAL VERSION	
Control system	ON/OFF
Protection class	II
Nominal voltage	230 V ~ / 50 Hz
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	–
Impulse mode	–

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

Factory settings

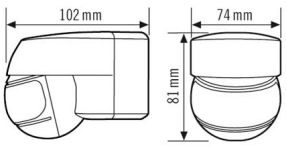
GENERAL	
Sensitivity	100 %

CHANNELS (LIGHTING / HVAC)	
Channel	**C1** Lighting
Operating mode	fully automatic

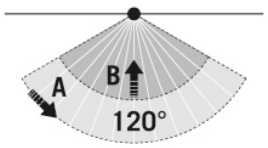
Accessories

Product designation	Item number	Product description	GTIN
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 BK	EM10025532	Corner bracket for MD series, black	4015120025532

Dimension drawing



Field of detections



Detection range

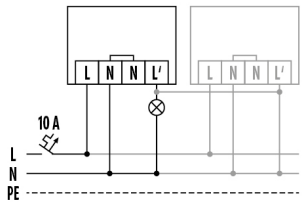
Diagonally (A)	12 m
Frontal (B)	5 m

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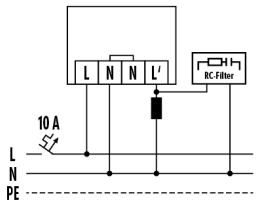
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Circuit diagram



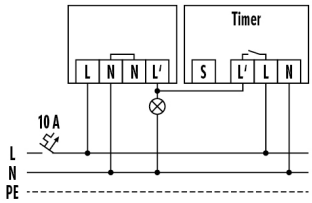
Standard operation with optional parallel wiring of max. eight motion detectors.

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