

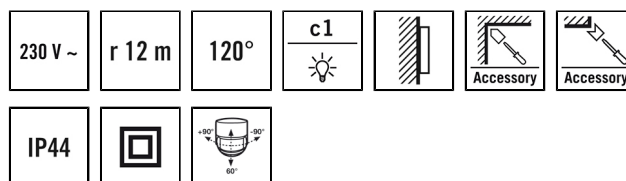
MD 120 white

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	1.250 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)
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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

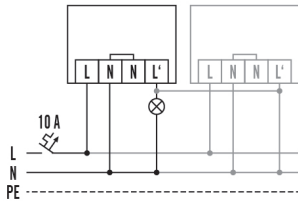
Mounting			
MD EDGE MOUNTING WH	EM10025518	Corner bracket for MD series, white	4015120025518
MD EDGE MOUNTING BN	EM10025525	Corner bracket for MD series, brown	4015120025525
MD EDGE MOUNTING BK	EM10025532	Corner bracket for MD series, black	4015120025532

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 white

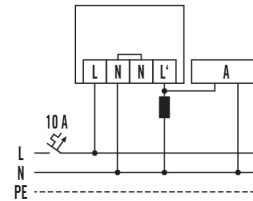
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Circuit diagram



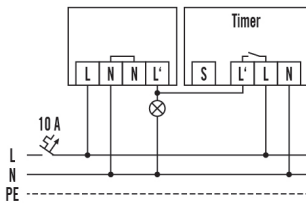
Standard operation with optional parallel wiring of max. eight motion detectors.

Circuit diagram



Bei Schaltung von Induktivitäten (z. B. Relais, Schütze, Vorschaltgeräte) kann der Einsatz eines Löschgliedes (A) erforderlich sein.

Circuit diagram



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