

DATA SHEET

MD 120

Order description

MD 120 black

Item number

EM10025235

GTIN

4015120025235



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

Technical data

GENERAL	
Conformity	CE, RoHS, WEEE
warranty	3-year
MOUNTING	
Installation type	Surface mounting
Installation position	Wall
HOUSING	
Dimensions	length 102 mm x width 74 mm x Height/Depth 81 mm
Weight	196 g
Housing material	UV-stabilised polycarbonate
Protection type	IP 44
Permissible ambient temperature	-25 °C...+55 °C
Relative humidity	5 - 95 %, non-condensing
Colour	Black, similar to RAL 9005
Terminal	2,5 mm ² / 1,5 mm ²
ELECTRICAL VERSION	
Protection class	II
Nominal voltage	230 - 230 V / 50 Hz
SENSORS	
Power consumption	0,5 W
Detection angle	120° sensor horizontally rotatable +/- 90°
Detection range diagonally	20 m
Detection range head-on	5 m

Field of detection	105 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
Number of light channels	1
Number of switching contacts	0
Slave input	No
Number of parallel switchable detectors	8
Fully automatic	yes
Semi-automatic	No
Impulse feature	No
constant lighting control	false
Switching delay from "dark to light" [s]	0 s
Switching delay from "light to dark" [s]	0 s

CONTROL

Channel 1	Lighting
Interface	Switching
Contact	make contact/non-floating
Switching capacity channel 1	230 V AC 50 Hz, 1000 W/4.5 A (cos # = 1), 500 VA/2.25 A (cos # =0.5)
In-rush current	30 A / 20 ms
Switch-off delay channel 1	4 s - 10 min
Master/slave function	false
constant lighting control	false
Manual override	No

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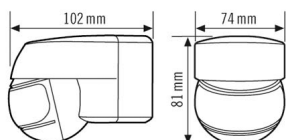
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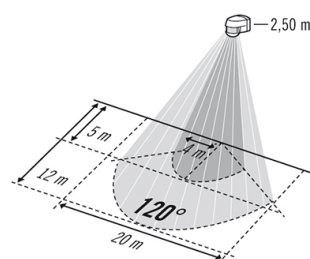
Accessories

Product designation	Item number	GTIN
RC filter/snubber	EP10426988	4015120426988
MD corner bracket	EM10025532	4015120025532

Scale drawing

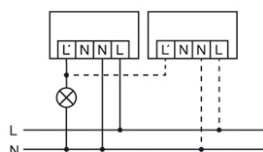


Field of detection

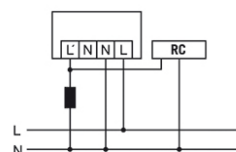


- Head-on to detector
- Passage area / diagonally to detector

Circuit diagram



Circuit diagram



Standard operation parallel connection of max. 8 devices

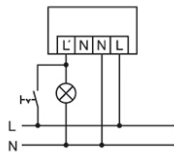
An RC filter may be required when connecting inductors (e.g. relays, contactors, ballasts).

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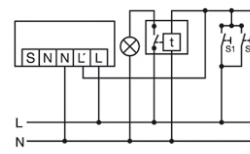
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Circuit diagram



Standard operation with additional continuous lighting function through external switch.

Circuit diagram



Parallel connection with automatic stairwell light.

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