

MD 120 black

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

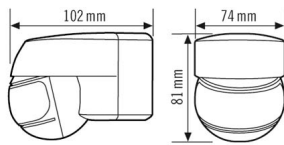
GENERAL	
Conformity	CE, RoHS, WEEE
Warranty	3-year
ATTACHMENT	
Installation type	Surface mounting
Installation position	Wall
HOUSING	
Dimensions	length 102 mm x width 74 mm x Height/Depth 81 mm
Weight	196 g
Material	UV-stabilised polycarbonate
Protection type	IP44
Permissible ambient temperature	-25 °C...+55 °C
Relative humidity	5 - 95 %, non-condensing
Colour	Black, similar to RAL 9005
Connection	2,5 mm ² / 1,5 mm ²
ELECTRICAL VERSION	
Protection class	II
Nominal voltage	230 V / 50 Hz
Power consumption	0,5 W
In-rush current	30 A / 20 ms
SENSORS	
Detection angle	120° sensor horizontally rotatable +/- 90°
Detection range diagonally	12 m

Detection range head-on	5 m
Field of detection	up to 38 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
Push button input HVAC	false
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)
Switch-off delay time	approx. 4 sec. - 10 min.
Master/slave function	false
constant lighting control	false
Manual override	No

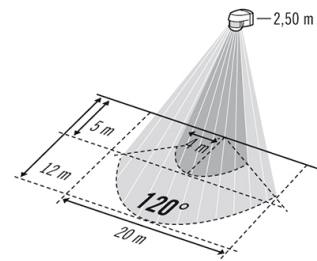
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Scale drawing

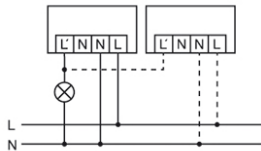


Field of detections



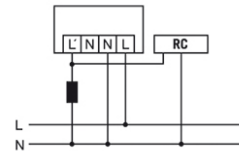
- Head-on to detector
- Passage area / diagonally to detector

Circuit diagram



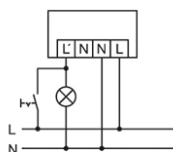
Standard operation parallel connection of max. 8 devices

Circuit diagram



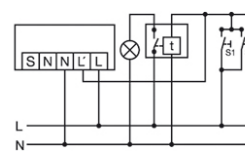
An RC filter may be required when connecting inductors (e.g. relays, contactors, ballasts).

Circuit diagram



Standard operation with additional continuous lighting function through external switch.

Circuit diagram



Parallel connection with automatic stairwell light.