

MD 180 BASIC WH

Item number

EM10055089

GTIN

4015120055089



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 - 1.5 mm ²
HOUSING	
Dimensions	Length 80 mm x Width 55 mm x Height 66 mm
Weight	96 g
Material	UV-stabilised polycarbonate
Protection type	IP44
Permissible ambient temperature	-20 °C...+40 °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

Product description

- Motion detector with **180° field of detection** for convenient light switching
- Sensing and range adjustment due to revolving and tilting spherical head technology

Offers special product features like:

- Zero-cross switching

In-rush current	40 A / 20 ms
Power consumption	0.5 W
Stand-by consumption	< 0.5 W

SENSORS

Detection angle	180° horizontally and vertically rotatable +/- 30°
Detection range diagonally	Ø 20 m
Detection range head-on	Ø 10 m
Field of detection	up to 157 m ²
Range adjustment	Mechanical
Recommended installation height	2.5 m
Max. mounting height	3 m
Light measurement	mixed light
Level of brightness	5 - 1000 lx

CHANNELS (LIGHTING / HVAC)

Number of light channels	1
Push button input HVAC	-
Number of parallel switchable detectors	6
Slave input	-
Constant light control	-
Channel	C1 Lighting
Function	Switching
Switching capacity	230 V/50 Hz 800 W/5 A (cos phi = 1) 500 VA/2,5 A (cos phi = 0,5) 250 W LED
Switch contact	make contact / non-floating
Push button input	-
Impulse mode	-

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

Factory settings

GENERAL

Sensitivity 100 %

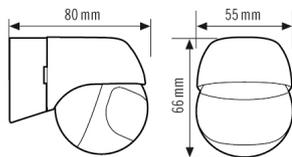
CHANNELS (LIGHTING / HVAC)

Channel C1 Lighting
 Operating mode fully automatic

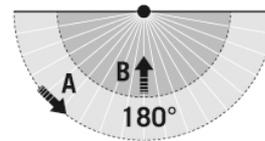
Accessories

Product designation	Item number	Product description	GTIN
Accessories			
SRM-230V relay module	EP10426346		4015120426346

Dimension drawing



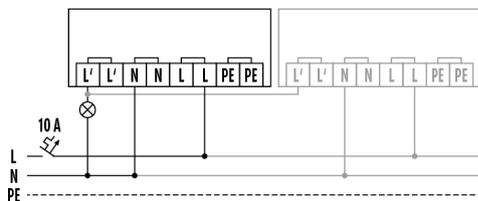
Field of detections



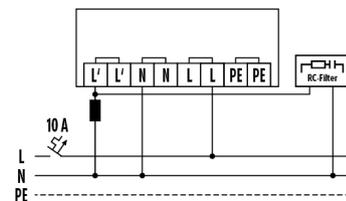
Detection range

Diagonally (A)	Ø 20 m
Frontal (B)	Ø 10 m

Circuit diagram



Circuit diagram



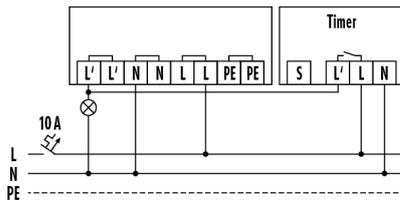
Standard operation with optional parallel wiring of max. six motion detectors.

When connecting inductors (e.g. relays, contactors, ballasts) the use of a filter (A) may be necessary.

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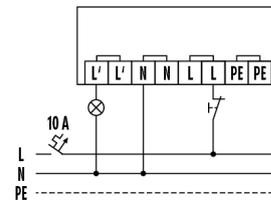
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Circuit diagram



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 **180° field of detection** for convenient light switching
- Double diaphragm line entrance
- Connection base with plug-in terminal and rear cable entry
- Sensing and range adjustment due to revolving and tilting spherical head technology
- For wall mounting