

DATA SHEET

ESYLUX

MD 180 BASIC white

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!
User interface	Adjusting controller
Remote controllable	—
Conformity	CE, EAC, RoHS, WEEE
Warranty	5 years

ATTACHMENT

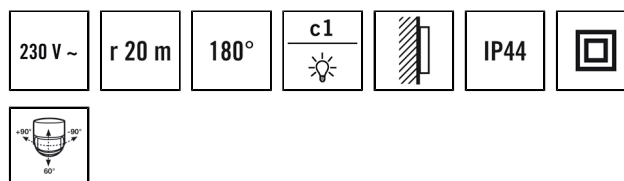
Installation type	Surface mounting
Installation position	Wall
Type of connection	Push terminal
Connectable wire cross section	0.75 – 2.5 mm ²

HOUSING

Dimensions	Length 80 mm x Width 55 mm x Height/Depth 66 mm
Weight	134 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
In-rush current	40 A / 20 ms



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

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)
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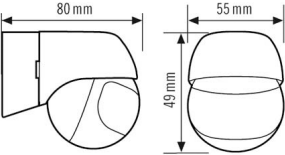
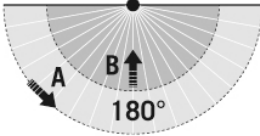
Factory settings

GENERAL	
Sensitivity	100 %

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

Accessories

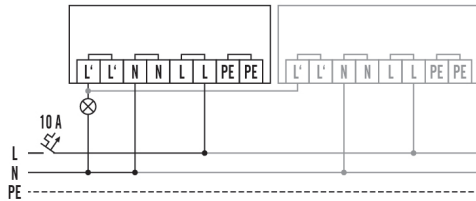
Product designation	Item number	Product description	GTIN
Accessories			
SRM-230V relay module	EP10426346		4015120426346
Electrical accessories			
ILR-230V current-limiting module	EP10426353	Current-limiting module for protecting the relay contact of a presence and motion detector	4015120426353

Dimension drawing	Field of detections	Detection range	
		Diagonally (A)	Ø 20 m
		Frontal (B)	Ø 10 m

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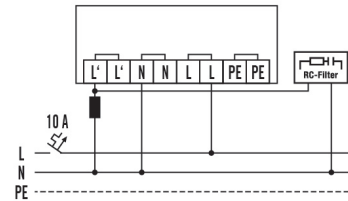
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Circuit diagram



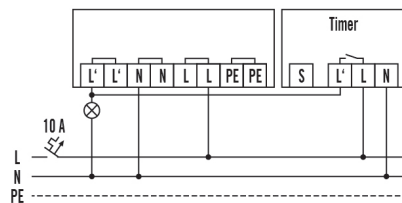
Standard operation with optional parallel wiring of max. six motion detectors.

Circuit diagram



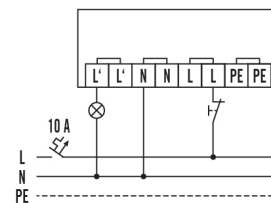
When connecting inductors (e.g. relays, contactors, ballasts) the use of a filter (A) may be necessary.

Circuit diagram



Standard operation with automatic stairwell light.

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