ESYLUX

Energy Conservation Solutions
'our promise, you'll save'

DATA SHEET

MD 180 Basic

Order description	Item number	GTIN
MD 180 Basic, white	EM10055089	4015120055089

230 V ~ | 20 m | 180° | c1 | IP 44

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

Technical data

GENERAL

Conformity	CE, RoHS, WEEE
warranty	3-year

MOUNTING

Installation type	Surface mounting
Installation position	Wall

HOUSING

Dimensions	length 80 mm x width 55 mm x Height/Depth 66 mm
Weight	180 g
Housing material	UV-stabilised polycarbonate
Protection type	IP 44
Permissible ambient temperature	-20 °C...+40 °C
Relative humidity	5 - 95 %, non-condensing
Colour	white, similar to RAL 9010
Terminal	1.5 mm²

ELECTRICAL VERSION

Protection class	II
Nominal voltage	230 - 230 V / 50 Hz
Stand-by consumption	< 0.5 W

SENSORS

Power consumption	0,5 W
Detection angle	180° horizontally and vertically rotatable +/- 30°
Detection range diagonally	20 m

DETECTION

Detection range head-on	5 m
Field of detection	157 m²
Range adjustment	Mechanical
Recommended installation height	2,5 m
Max. mounting height	3 m
Light measurement	mixed light
Level of brightness	5 - 1000 lx
Number of light channels	1
Number of switching contacts	0
Number of parallel switchable detectors	6
Fully automatic	yes
Semi-automatic	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/5 A (cos phi = 1), 500 VA/2.5 A (cos phi = 0.5)
In-rush current	40 A / 20 ms
Switch-off delay channel 1	10 s - 15 min
Master/slave function	false
constant lighting control	false
Manual override	No

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Accessories

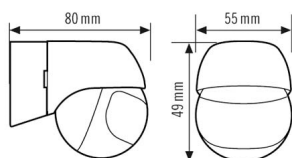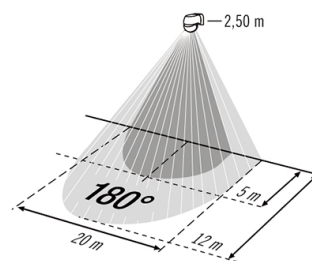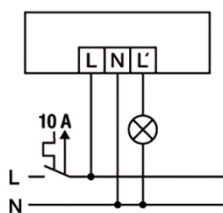| Product designation	Item number	GTIN
ILR-230V current-limiting module	EP10426353	4015120426353
SRM-230V relay module	EP10426346	4015120426346

Scale drawing

Field of detection

▲ *Head-on to detector*
▪ *Passage area/diagonally to detector*

Circuit diagram

Standard operation