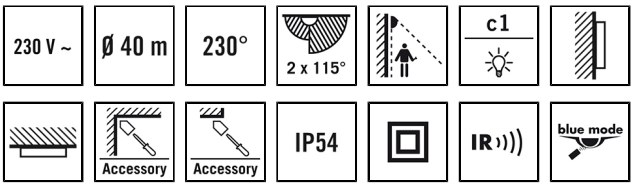
DATA SHEET

RC 230i black

Item number	GTIN
EM10015519	4015120015519





Product description

- Motion detector with **230° field of detection** and large range
- 360° creep protection for unbroken coverage, can be switched off by remote control
- Default settings ensure immediate operability

Offers special product features like:

- One-hand plug-in base
- Creep protection
- Simple parameterisation, remote control and documentation with ESY-Pen and ESY-App

5 YEARS MANUFACTURER WARRANTY

Technical data

GENERAL	
Device category	Outdoor motion detector
Product information	Please note the Declaration of circuit breaker in the download area of the product!
User interface	Adjusting controller, IR remote control
Remote controllable	✓
Conformity	CE, EAC, RoHS, WEEE
Warranty	5 years

ATTACHMENT	
Installation type	Surface mounting
Installation position	Ceiling / wall
Type of connection	Push terminal
Connectable wire cross section	1,50 – 2,50 mm²

HOUSING	
Dimensions	Length 135 mm x Width 78 mm x Height/ Depth 105 mm
Weight	311 g
Material	UV-stabilised polycarbonate
Protection type	IP54
Permissible ambient temperature	-25 °C...+55 °C
Relative humidity	5 - 95 %, non-condensing
Colour	Black, similar to RAL 9005

ELECTRICAL VERSION	
Control system	ON/OFF
Protection class	II
Nominal voltage	230 V AC / 50 Hz
In-rush current	100 A / 200 µs
Power consumption	0,3 W

SENSORS	
Detection angle	230° (2 x 115° separately adjustable) and 360° creep protection
Detection range diagonally	Ø 40 m
Detection range head-on	Ø 16 m
Detection range creep protection	Ø 6 m
Field of detection	up to 804 m²
Range adjustment	electronic, Mechanical, For each sensor, 2 x 115°
Recommended installation height	2,5 m
Max. mounting height	4 m
Light measurement	mixed light
Level of brightness	2 - 2500 lx

CHANNELS (LIGHTING / HVAC)	
Number of light channels	1
Push button input HVAC	–
Number of parallel switchable detectors	8
Slave input	–
Switching delay from "dark to light"	5 s
Switching delay from "light to dark"	0 s
Constant light control	–
Channel	**C1** Lighting
Function	Switching
Switching capacity	230 V/50 - 60 Hz 2300 W / 10 A (cos phi = 1), 1150 VA / 5 AX (cos phi = 0,5) 600 W LED

DATA SHEET

RC 230i black

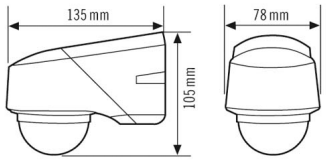
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Switch contact	make contact / non-floating	Impulse feature	✓
Push button input	–	Switch-off delay time	15 s...30 min (adjustable in steps)

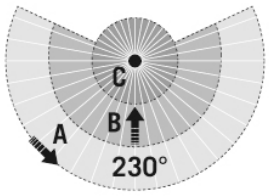
Accessories

Product designation	GTIN
Electrical accessories	
FILTER 230 V	4015120426988
Mounting	
RC EDGE MOUNTING BK	4015120016134
Remote control	
RC REMOTE CONTROL	4015120016004
REMOTE CONTROL USER	4015120016011
ESY-Pen	4015120425356

Scale drawing



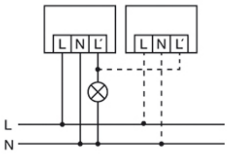
Field of detections



Detection range

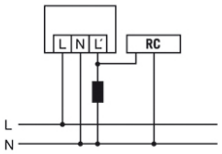
Diagonally (A)	Ø 40 m
Frontal (B)	Ø 16 m
creep protection (C)	Ø 6 m

Circuit diagram



Standard operation parallel connection of max. 8 devices

Circuit diagram



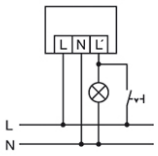
An RC filter may be required when connecting inductors (e.g. relays, contactors, ballasts).

DATA SHEET

RC 230i black

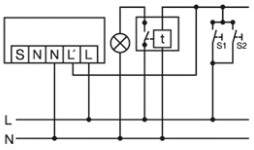
Item number	GTIN
EM10015519	4015120015519

Circuit diagram



Standard operation with additional continuous lighting function through external switch.

Circuit diagram



Parallel connection with automatic stairwell light