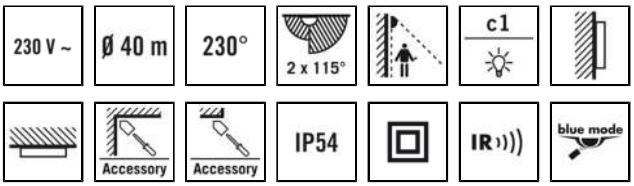
DATA SHEET

RC 230i white

Item number	GTIN
EM10015311	4015120015311

5 YEARS MANUFACTURER WARRANTY



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

Technical data

GENERAL	
Device category	Outdoor motion detector
Product information	Please note the Explanation of circuit breaker in the download area of the product!
Included in delivery	Includes lens mask
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	313 g
Material	UV-stabilised polycarbonate
Protection type	IP54
Permissible ambient temperature	-25 °C...+55 °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 – 230 V ~ / 50 – 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)

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	600 W LED
Switch contact	make contact / non-floating
Push button input	–

Impulse mode	✓
Switch-off delay time	15 s...30 min (adjustable in steps)

Factory settings

GENERAL	
Sensitivity	100 %

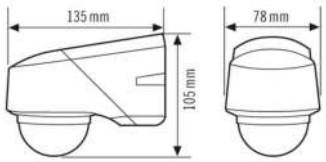
CHANNELS (LIGHTING / HVAC)	
Channel	**C1**

Operating mode	Light ON
Level of brightness/switching threshold	10 lx
Switch-off delay time	2 min

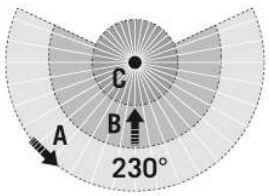
Accessories

Product designation	Item number	Product description	GTIN
Electrical accessories			
FILTER 230 V	EP10426988	Filter for suppression of inductive loads, such as relays, contactors, fluorescent lamps and transformers	4015120426988
Mounting			
RC EDGE MOUNTING WH	EM10016110	Corner bracket for RC series, white	4015120016110
RC EDGE MOUNTING SR	EM10016141	Corner bracket for RC series, silver	4015120016141
Remote control			
RC REMOTE CONTROL	EM10016004	IR remote control for RC series	4015120016004
REMOTE CONTROL USER	EM10016011	IR remote control for end users	4015120016011
ESY-Pen	EP10425356	ESY-Pen and ESY-App, two tools for every task: (1) Parameterisation, (2) remote control, (3) light measurement, (4) project management	4015120425356

Dimension drawing



Field of detections



Detection range

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

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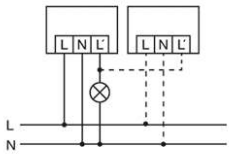
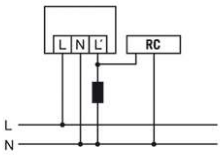
Circuit diagram



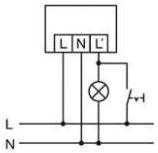
Standard operation parallel connection of max. 8 devices

Circuit diagram



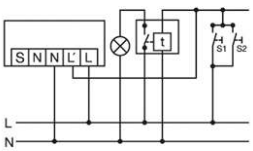
An RC filter may be required when connecting inductors (e.g. relays, contactors, ballasts).

Circuit diagram



Standard operation with additional continuous lighting function through external switch.

Circuit diagram



Parallel connection with automatic stairwell light

Detailed 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
- Can be programmed by remote control, e.g. continuous lighting ON/OFF and automatic storage of the current light value
- Default settings ensure immediate operability
- Prevention of operating errors through in-built selector switch for test function/remote control/potentiometer settings
- One-hand plug-base installation
- Double diaphragm line entry
- Covered connector base with large wiring space
- Sensor range adjustment with additional focus LED as setting aid
- Retractable setting elements prevent unintentional parameter adjustment
- Wall or ceiling mounting possible without accessories thanks to swivel joint
- Individual areas can be masked using the covering cap provided (can be customised)
- Special bracket for mounting on inner and outer corners, available as accessory