

## RC 230i white

**Item number** EM10015311  
**GTIN** 4015120015311



### 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.
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	1.5 - 2.5 mm <sup>2</sup>
HOUSING	
Dimensions	Length 135 mm x Width 78 mm x Height/Depth 105 mm
Weight	312 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

### 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

Nominal voltage	230 V ~ / 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 m <sup>2</sup>
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	<b>C1</b> 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 %

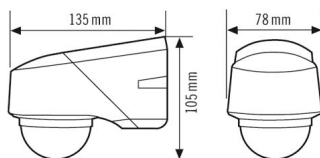
Operating mode	Light ON
Level of brightness/switching threshold	10 lx
Switch-off delay time	2 min

CHANNELS (LIGHTING / HVAC)	
Channel	C1

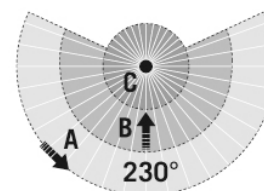
### Accessories

Product designation	Item number	Product description	GTIN
<b>Electrical accessories</b>			
FILTER 230 V	EP10426988	Filter for suppression of inductive loads, such as relays, contactors, fluorescent lamps and transformers	4015120426988
<b>Mounting</b>			
RC EDGE MOUNTING WH	EM10016110	Corner bracket for RC series, white	4015120016110
<b>Remote control</b>			
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



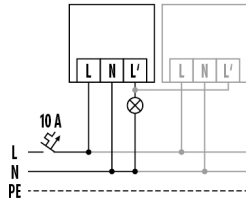
### Detection range

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

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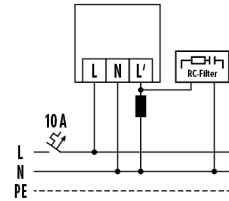
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### Circuit diagram



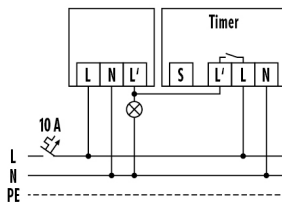
Standard operation with optional parallel wiring of max. eight motion detectors.

### Circuit diagram



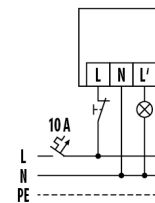
An RC filter (A) may be required when connecting inductors (e.g. relays, contactors, ballasts).

### 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 **230° field of detection** and large range
- Zero-cross switching: Extension of the lifetime of relays and illuminants with electronic ballasts (e.g. fluorescent lamps, LEDs) thanks to more gentle zero-cross switching
- 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