

DATA SHEET

RC 230i white

Order description

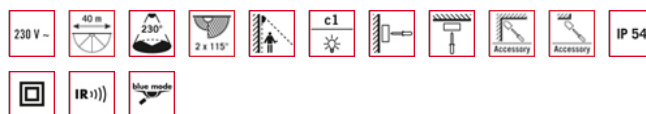
RC 230i white

Item number

EM10015311

GTIN

4015120015311



Product description

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



Technical data

GENERAL	
Conformity	CE, RoHS, WEEE
Warranty	5 years
ATTACHMENT	
Installation type	Surface mounting
Installation position	Ceiling / Wall
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
Connection	2,5 mm ² / 1,5 mm ²
ELECTRICAL VERSION	
Protection class	II
Nominal voltage	230 V / 50 Hz
Power consumption	0,3 W
In-rush current	100 A / 200 µs
SENSORS	
Detection angle	230° (2 x 115° separately adjustable) and 360° anti-creep protection
Detection range diagonally	Ø 40 m

Detection range head-on	Ø 8 m
Field of detection	up to 804 m ²
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
Number of light channels	1
Push button input HVAC	false
Slave input	No
Number of parallel switchable detectors	8
Fully automatic	yes
Semi-automatic	No
Impulse feature	yes
constant lighting control	false
Switching delay from "dark to light" [s]	5 s
Switching delay from "light to dark" [s]	0 s

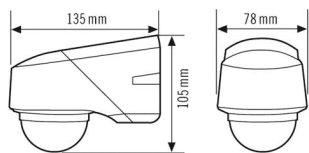
CONTROL

Channel 1	Lighting
Interface	Switching
Contact	make contact/non-floating
Switching capacity channel 1	230 V AC 50 Hz, 16 A relay, 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
Switch-off delay time	impulse/approx. 15 sec. to 30 min.
Master/slave function	false
constant lighting control	false

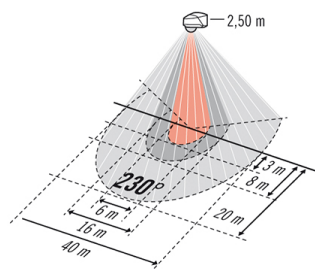
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Manual override	No	

Scale drawing

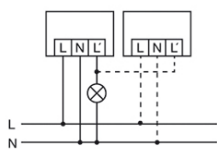


Field of detections

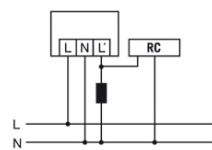


- 360° anti-creep protection
- Head-on to detector
- Passage area / diagonally to detector

Circuit diagram



Circuit diagram

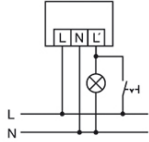
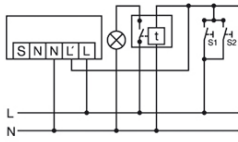


Standard operation parallel connection of max. 8 devices

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

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Circuit diagram	Circuit diagram
	

Standard operation with additional continuous lighting function through external switch.

Parallel connection with automatic stairwell light