DATA SHEET

ESYLUX

RC 280i white

Item number	GTIN
EM10015717	4015120015717

Ø 40 m	280°	ON/OFF	IP54	1 CH

Product description

- Motion detector with **280° 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
- Special bracket for mounting on inner and outer corners included

Offers special product features such as:
- 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
Included in delivery	Including RC corner socket, including lens mask
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.
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 mm²

HOUSING

Dimensions	Length 135 mm x Width 78 mm x Height/Depth 105 mm
Weight	351 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 V AC / 50 Hz
In-rush current	100 A / 200 µs
Power consumption	0,3 W

SENSORS

Detection angle	280° (3 x 95° 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 979 m²
Range adjustment	electronic, Mechanical, For each sensor, 3 x 95°
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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![ESYLUX logo]

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	600 W LED		Impulse mode	✓
Switch contact	make contact / non-floating		Switch-off delay time	15 s…30 min (adjustable in steps)
Push button input	–			

Factory settings

GENERAL			Operating mode	Light ON
Sensitivity	100 %		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
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
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
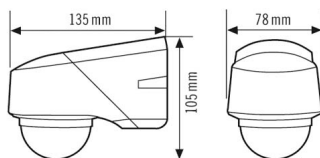
Dimension drawing	Field of detections	Detection range	
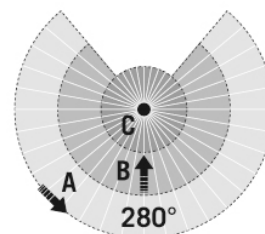
	Diagonally (A)	Ø 40 m
	Frontal (B)	Ø 16 m
	creep protection (C)	Ø 6 m

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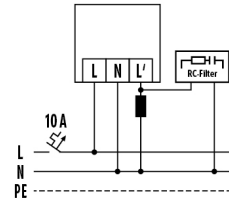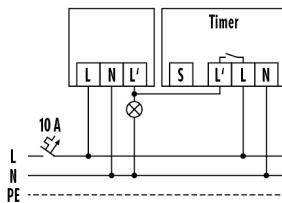| Item number	GTIN
EM10015717	4015120015717

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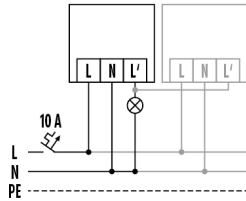
Standard operation with optional parallel wiring of max. eight motion detectors.
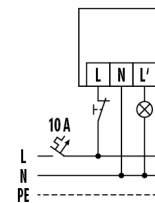
Circuit diagram

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 **280° 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 included