

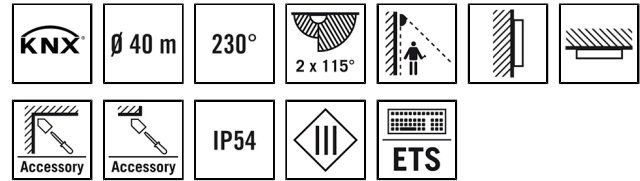
## RC 230 KNX

**Item number**      **GTIN**  
EM10015472      4015120015472



### Technical data

GENERAL	
Device category	Outdoor motion detector
User interface	ETS-Software
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	0.75 – 2.5 mm <sup>2</sup>
HOUSING	
Dimensions	Length 135 mm x Width 78 mm x Height/Depth 105 mm
Weight	308 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	KNX
Protection class	III
Nominal voltage	29 – 31 V DC
Power consumption	6 mA



### Product description

- **KNX** Motion detector with **230° field of detection** and large range
- 360° creep protection for unbroken coverage
- For use in KNX (EIB), TP (twisted pair) bus system in conjunction with other KNX components
- Parameter and function settings via ETS (Engineering Tool Software)

### Offers special product features like:

- One-hand plug-in base
- Creep protection
- KNX functions: Twilight switch, motion direction detection (3 objects), light-dependent motion detection, brightness detection via object

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>
Recommended installation height	2.5 m
Max. mounting height	4 m
Light measurement	mixed light
Level of brightness	2 – 1000 lx
CHANNELS (LIGHTING / HVAC)	
Number of light channels	2
Number of HVAC-channels	1
Push button input lighting	1
Push button input HVAC	✓
Slave input	✓
Switching delay from "dark to light"	300 s
Switching delay from "light to dark"	30 s
Constant light control	✓
KNX functions	Presence simulation, Manual override, Master- / slave-toiminto, Sensitivity configurable, Sends a telegram at regular intervals
Channel	<b>C1</b> Lighting
Function	Switching, Regulate, Dimming
Switch contact	Bus system
Push button input	✓
Impulse mode	–

## RC 230 KNX

Item number	GTIN
EM10015472	4015120015472

Switch-off delay time	30 s...30 min (adjustable in steps)
Orientation light	5 – 50 % luminous efficiency
Switch-off delay time, orientation light	60 s...250 min
Channel	<b>C2</b> Lighting
Function	Switching, Regulate, Dimming
Offset setting	c2 offset from c1 (-50 % to +50 %)
Switch contact	Bus system
Push button input	✓
Impulse mode	–
Switch-off delay time	30 s...30 min (adjustable in steps)

Orientation light	5 – 50 % luminous efficiency
Switch-off delay time, orientation light	60 s...250 min
Channel	<b>C3</b> HVAC
Function	Switching
Switch contact	Bus system
Push button input	✓
Switch-on delay	120 s...30 min
Impulse mode	–
Switch-off delay time	10 s...60 min (adjustable in steps)

### Factory settings

GENERAL	
Sensitivity	100 %
Orientation light ON	✓
Orientation light, depending on brightness	✓
Luminous efficiency switch-on value	60 %

Operating mode	fully automatic
Level of brightness/switching threshold	500 lx
Switch-off delay time	5 min
Luminous efficiency of orientation light	10 %
Channel	<b>C2</b> Lighting
Operating mode	fully automatic
Level of brightness/switching threshold	500 lx
Switch-off delay time	5 min
Luminous efficiency of orientation light	25 %

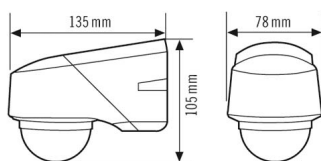
### CHANNELS (LIGHTING / HVAC)

Channel	<b>C1</b> Lighting
---------	--------------------

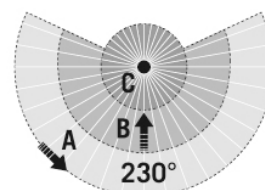
### Accessories

Product designation	Item number	Product description	GTIN
<b>Mounting</b>			
RC EDGE MOUNTING WH	EM10016110	Corner bracket for RC series, white	4015120016110

### Dimension drawing



### Field of detections



### Detection range

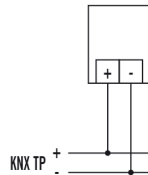
Diagonally (A)	Ø 40 m
Frontal (B)	Ø 16 m
creep protection (C)	Ø 6 m

## RC 230 KNX

<b>Item number</b>	<b>GTIN</b>
EM10015472	4015120015472

### Circuit diagram

---



---

*Standard operation.*

### Detailed product description

---

- KNX motion detector with **230° field of detection** and large range
- 360° creep protection for unbroken coverage
- Can be programmed by ETS
- 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