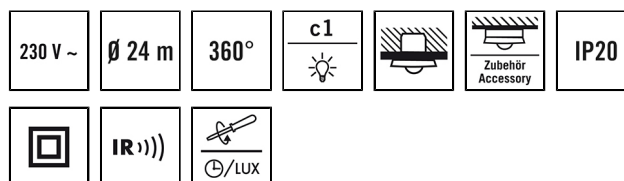


MD 360i/24

Item number **GTIN**
EM10055300 4015120055300



Technical data

GENERAL	
Device category	Ceiling-mounted motion detector
Product information	Please note the Explanation of circuit breaker in the download area of the product!
User interface	Adjusting controller, IR remote control
Remote controllable	✓
Conformity	CE, EAC, RoHS, SundaHus, WEEE
Warranty	3 years
ATTACHMENT	
Installation type	Flush-mounted/Device socket Ø 68 mm
Installation position	Ceiling
Installation dimension	Installation depth: 15 mm, Ø 60 mm
Type of connection	Push terminal
Connectable wire cross section	0.75 – 2.5 mm ²
HOUSING	
Dimensions	Height/Depth 75 mm, Ø 140 mm
Weight	270 g
Material	UV-stabilised polycarbonate
Protection type	IP20
Protection type with accessory	IP54 with surface-mounted box (order separately)
Permissible ambient temperature	0 °C...+55 °C
Relative humidity	5 – 93 %, non-condensing
Colour	white, similar to RAL 9010
ELECTRICAL VERSION	
Control system	ON/OFF
Protection class	II

Product description

- Motion detector with **360° field of detection** for ceiling mounting
- Large **range of up to 24 m** in diameter for a wide variety of applications
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

Offers special product features like:

- Simple parameterisation, remote control and documentation with ESY-Pen and ESY-App

Nominal voltage	230 V ~ / 50 Hz
In-rush current	450 A / 200 µs
Power consumption	1 W

SENSORS

Detection angle	360°
Detection range diagonally	Ø 24 m
Detection range head-on	Ø 8 m
Field of detection	up to 453 m ²
Recommended installation height	3 m
Max. mounting height	10 m
Light measurement	mixed light
Level of brightness	5 – 2000 lx

CHANNELS (LIGHTING / HVAC)

Number of light channels	1
Push button input lighting	1
Push button input HVAC	–
Number of parallel switchable detectors	6
Slave input	–
Mode	Semi-automatic, Fully automatic
Switching delay from "dark to light"	0 s
Switching delay from "light to dark"	0 s
Constant light control	–
Channel	C1 Lighting
Function	Switching
Switching capacity	230 V/50 Hz, 16 AX 2300 W/10 A (cos phi = 1) 1150 VA/5 A (cos phi = 0,5) 600 W LED

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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 %

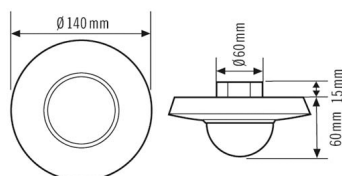
CHANNELS (LIGHTING / HVAC)	
Channel	C1 Lighting

Operating mode	fully automatic
Level of brightness/switching threshold	100 lx
Switch-off delay time	5 min

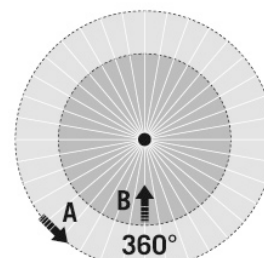
Accessories

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			
STANDARD MOUNTING BOX IP54 SM WH	EM10425400	Surface-mounted box for the STANDARD series, IP54, white	4015120425400
Protection			
BASKET GUARD ROUND SMALL	EM10425615	Basket guard for presence and motion detectors and smoke detectors, Ø 165 mm, height 70 mm	4015120425615
BASKET GUARD ROUND LARGE	EM10425608	Basket guard for presence and motion detectors and smoke detectors, Ø 180 mm, height 90 mm	4015120425608
Remote control			
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
REMOTE CONTROL MDi/PDi	EM10425509	IR remote control for presence detectors and motion detectors	4015120425509
Mobil-PDi/MDi-universal	EP10433993	Remote control for quick and precise setting of various parameters	4015120433993

Dimension drawing



Field of detections



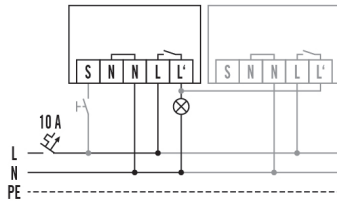
Detection range

Diagonally (A)	Ø 24 m
Frontal (B)	Ø 8 m

MD 360i/24

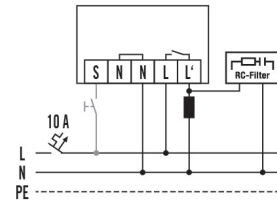
Item number **GTIN**
 EM10055300 4015120055300

Circuit diagram



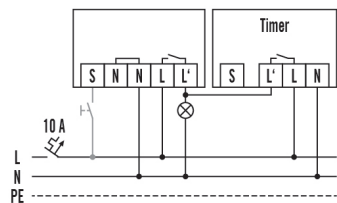
Standard operation with optional parallel wiring of max. six devices.

Circuit diagram



When connecting inductors (e.g. relays, contactors, ballasts) the use of a filter (A) may be necessary.

Circuit diagram



Standard operation with automatic stairwell light.

Detailed product description

- Motion detector with **360° field of detection** for demand-responsive lighting control and therefore noticeable energy cost reductions
- Large **range of up to 24 m** in diameter for a wide variety of applications
- 16 A high-performance relay (tungsten pre-contact), ideal for switching capacitive loads such as electronic ballasts, parallel-compensated fluorescent lamps, compact fluorescent lamps, energy saving lamps
- Can be programmed by remote control, e.g. continuous lighting ON/OFF and automatic storage of the current light value
- Prevention of operating errors through in-built selector switch for remote control/potentiometer settings
- Flush-mounted device as standard
- Universal surface-mounted box IP 54 with double diaphragm line entrance (accessory)
- Double plug-in terminals for through-wiring
- Modular system consisting of power box and plug-in sensor
- Power box installation/connection - after completion of the painting work the sensor can be simply plugged in
- Large wiring space due to low overall height of the power box
- Default settings ensure immediate operability
- Additional switch input for manual control
- Concealed setting elements prevent unintentional parameter adjustments
- In-built impulse feature for controlling automatic stairwell lights or control devices, and for use in facility management/PLC