DATA SHEET

MD 360/24 BASIC

Item number	GTIN
EB10430848	4015120430848



5 YEARS MANUFACTURER WARRANTY

Ø 24 m | 360° | ON/OFF | IP40 | 1 CH

Product description

- Motion detector with **360° field of detection** For ceiling mounting
- **Range of up to 24 m** across at a recommended installation height of 3 m for use in small rooms and passageways with very little or no natural lighting
- 10 A high-performance relay
- Zero-cross switching for gentle switching
- Factory setting for immediate operational readiness

Offers special product features like:
- Zero-cross switching

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! Mounting position: Keep a safe distance of 5 m from radio antennas (e.g. WiFi access points).
User interface	Adjusting controller
Remote controllable	-
Conformity	CE, EAC, RoHS, WEEE
Product-specific information	Lens mask and spacer not included in delivery
Warranty	5 years

ATTACHMENT	
Installation type	Surface mounted (plaster), Flush-mounted/Device socket Ø 68 mm
Installation position	Ceiling
Type of connection	Push terminal
Connectable wire cross section	1.5 - 2.5 mm^2

HOUSING	
Dimensions	Height/Depth 53 mm, Ø 101 mm
Weight	100 g
Material	UV-stabilised polycarbonate
Protection type	IP40
Permissible ambient temperature	0 °C...+50 °C
Relative humidity	5 - 93 %, non-condensing
Colour	white, similar to RAL 9010

ELECTRICAL VERSION	
Control system	ON/OFF
Protection class	II
Nominal voltage	230 V ~ / 50 Hz
In-rush current	78 A / 5 ms
Power consumption	0.2 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	5 m
Light measurement	mixed light
Level of brightness	5 - 1000 lx

CHANNELS (LIGHTING / HVAC)	
Number of light channels	1
Push button input lighting	1
Push button input HVAC	-
Number of parallel switchable detectors	8
Slave input	-
Mode	Fully automatic
Switching delay from "light to dark"	30 s
Constant light control	-
Channel	**C1** Lighting
Function	Switching
Switching capacity	230 V/50 Hz 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	Impulse mode	✓
Push button input	✓	Switch-off delay time	15 s...30 min (adjustable in steps)

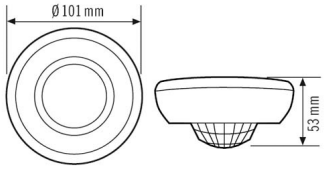
Factory settings

Channel	**C1** Lighting	Level of brightness/switching threshold	100 lx
Operating mode	fully automatic	Switch-off delay time	5 min

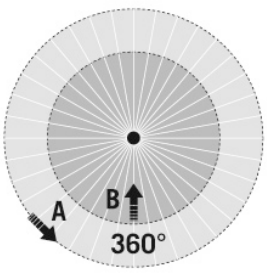
Accessories

Product designation	Item number	Product description	GTIN
Accessories			
BASIC MOUNTING BOX IP20 SM WH	EB10423147	Surface-mounted box for BASIC series, IP20, white	4015120423147
Adapter			
BASIC SPACER WH	EB10423130	Spacer for BASIC series, white, compatible with BASIC IP40 variants	4015120423130
Cover			
BASIC 24 LENS MASK	EB10423109	Lens mask 24/32 m	4015120423109
Electrical accessories			
FILTER 230 V	EP10426988	Filter for suppression of inductive loads, such as relays, contactors, fluorescent lamps and transformers	4015120426988
Mounting			
MOUNTING SET IP20 FM 62 WH	EP10425929	Recessed ceiling mounting set includes installation bracket and dust-protected box, 62 mm	4015120425929
Protection			
BASKET GUARD ROUND LARGE	EM10425608	Basket guard for presence and motion detectors and smoke detectors, Ø 180 mm, height 90 mm	4015120425608

Dimension drawing



Field of detections



Detection range

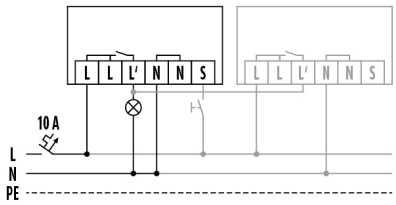
Diagonally (A)	Ø 24 m
Frontal (B)	Ø 8 m

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Circuit diagram



Standard with optional control via a closing button and parallel wiring of max. 8 devices.

Detailed product description

- Motion detector with **360° field of detection** For ceiling mounting
- **Range of up to 24 m**across at a recommended installation height of 3 m for use in small rooms and passageways with very little or no natural lighting
- 10 A high-performance relay
- Zero-cross switching: Extension of the service life of the relay and bulbs with electronic ballasts (e.g. fluorescent lamps, LED) thanks to more gentle switching in zero-cross switching.
- Factory setting for immediate operational readiness
- Automatic lighting control
- Additional switch input
- Standard version as surface-mounted device, recessed ceiling mounting possible with accessories
- Sensing range upgrade through parallel connection