DATA SHEET



MD-C 360i/32 Corridor

Item number

GTIN

EP10428128

4015120428128





Product description

- Motion detector with 360° field of detection for ceiling mounting
- Large Range of up to 32 m in corridors or passages in diameter at a recommended installation height of 3 m (maximum mounting height 10 m), suitable for a variety of uses
- 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



Technical data

CE	ME	R/	ı
UE	INE	·M	N

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).
Included in delivery	includes lens mask
User interface	Adjusting controller, IR remote control with "blue mode" technology
Remote controllable	✓
Conformity	CE, EAC, RoHS, WEEE
Warranty	5 years
ATTACHMENT	
Installation type	Flush-mounted/Device socket Ø 68 mm
Installation position	Ceiling
Installation dimension	Installation depth: 24 mm, Ø 60 mm
Type of connection	Push terminal
Connectable wire cross section	1.5 – 2.5 mm²
HOUSING	
Dimensions	Height /Denth 70 mm Ø 100 mm

Dimensions	Height/Depth 70 mm, Ø 108 mm
Weight	144 g
Material	UV-stabilised polycarbonate
Protection type	IP20
Protection type with accessory	IP54 with surface-mounted box (order separately)
Permissible ambient temperature	-25 °C+50 °C
Relative humidity	5 – 93 %, non-condensing
Colour	white, similar to RAL 9010

ELECTRICAL VERSION

Protection class II Nominal voltage 230 V ~ / 50 Hz In-rush current 800 A / 200 μs Power consumption 0.3 W SENSORS -0.3 W Detection angle 360° Detection range diagonally 32 m elliptical Detection range head-on Ø16 m Field of detection up to 628 m² Recommended installation height 3 m Max. mounting height 10 m Light measurement mixed light Level of brightness 5 - 2000 lx CHANNELS (LIGHTING / HVAC) 1 Number of light channels 1 Push button input lighting 1 Push button input HVAC - Number of parallel switchable detectors 10 Slave input - Mode Semi-automatic, Fully automatic Constant light control - Channel C1 Lighting Function Switching	Control system	ON/OFF
In-rush current 800 A / 200 µs Power consumption 0.3 W Stand-by consumption < 0.3 W SENSORS Detection angle 360° Detection range diagonally 32 m elliptical Detection range head-on Ø16 m Field of detection up to 628 m² 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 10 Slave input - Mode Semi-automatic, Fully automatic Constant light control - Channel C1 Lighting	Protection class	II
Power consumption 0.3 W Stand-by consumption <0.3 W SENSORS Detection angle 360° Detection range diagonally 32 m elliptical Detection range head-on Ø16 m Field of detection up to 628 m² 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 10 Slave input - Mode Semi-automatic, Fully automatic Constant light control - C1 Lighting	Nominal voltage	230 V ~ / 50 Hz
SENSORS Detection angle 360° Detection range diagonally 32 m elliptical Detection range head-on Ø16 m Field of detection up to 628 m² 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 10 Slave input - Mode Semi-automatic, Fully automatic Constant light control - Channel C1 Lighting	In-rush current	800 A / 200 μs
SENSORS Detection angle 360° Detection range diagonally 32 m elliptical Detection range head-on Ø16 m Field of detection up to 628 m² 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 10 Slave input - Mode Semi-automatic, Fully automatic Constant light control - Channel C1 Lighting	Power consumption	0.3 W
Detection angle 360° Detection range diagonally 32 m elliptical Detection range head-on Ø16 m Field of detection up to 628 m² 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 10 Slave input - Mode Semi-automatic, Fully automatic Constant light control - Channel C1 Lighting	Stand-by consumption	< 0.3 W
Detection range diagonally Detection range head-on Field of detection Recommended installation height Max. mounting height Light measurement Light measurement Level of brightness CHANNELS (LIGHTING / HVAC) Number of light channels Push button input lighting Push button input HVAC Number of parallel switchable detectors Slave input Mode Semi-automatic, Fully automatic Constant light control C1 Lighting	SENSORS	
Detection range head-on Ø16 m Field of detection up to 628 m² 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 10 Slave input - Mode Semi-automatic, Fully automatic Constant light control - Channel C1 Lighting	Detection angle	360°
Field of detection up to 628 m² 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 10 Slave input - Mode Semi-automatic, Fully automatic Constant light control - Channel C1 Lighting	Detection range diagonally	32 m elliptical
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 10 Slave input - Mode Semi-automatic, Fully automatic Constant light control - Channel C1 Lighting	Detection range head-on	Ø 16 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 10 Slave input - Mode Semi-automatic, Fully automatic Constant light control - Channel C1 Lighting	Field of detection	up to 628 m²
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 10 Slave input - Mode Semi-automatic, Fully automatic Constant light control - Channel C1 Lighting	Recommended installation height	3 m
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 10 Slave input - Mode Semi-automatic, Fully automatic Constant light control - Channel C1 Lighting	Max. mounting height	10 m
CHANNELS (LIGHTING / HVAC) Number of light channels Push button input lighting 1 Push button input HVAC - Number of parallel switchable detectors 10 Slave input Mode Semi-automatic, Fully automatic Constant light control Cal Lighting	Light measurement	mixed light
Number of light channels Push button input lighting Push button input HVAC Number of parallel switchable detectors 10 Slave input Mode Semi-automatic, Fully automatic Constant light control Channel 1	Level of brightness	5 – 2000 lx
Push button input lighting 1 Push button input HVAC - Number of parallel switchable detectors 10 Slave input - Mode Semi-automatic, Fully automatic Constant light control - Channel C1 Lighting	CHANNELS (LIGHTING / HVAC)	
Push button input HVAC - Number of parallel switchable detectors 10 Slave input - Mode Semi-automatic, Fully automatic Constant light control - Channel C1 Lighting	Number of light channels	1
Number of parallel switchable detectors 10 Slave input - Mode Semi-automatic, Fully automatic Constant light control - Channel C1 Lighting	Push button input lighting	1
Slave input - Mode Semi-automatic, Fully automatic Constant light control - Channel C1 Lighting	Push button input HVAC	-
Mode Semi-automatic, Fully automatic Constant light control - Channel C1 Lighting	Number of parallel switchable detectors	10
Constant light control - Channel C1 Lighting	Slave input	-
Channel C1 Lighting	Mode	Semi-automatic, Fully automatic
	Constant light control	-
Function Switching	Channel	C1 Lighting
	Function	Switching

230 V/50 Hz, 16 AX

ON /OFF

Switching capacity

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2300 W/10 A (cos phi = 1) 1150 VA/5 A (cos phi = 0,5) 600 W LED

C1 Lighting

Switch contact make contact / non-floating

Push button input

Impulse mode

✓

Switch-off delay time

60 s...30 min (adjustable in steps)

Factory settings

GENERAL		Operating mode	fully automatic
Sensitivity	100 %	Level of brightness/switching threshold	100 lx
		Switch-off delay time	5 min
CHANNELS (LIGHTING / HVAC)			

Accessories

Channel

Product designation	Item number	Product description	GTIN
Cover			
COMPACT COVER SET 24/32 SR	EP10425431	Cover set for COMPACT series, 24 m/32 m, consists of cover and design ring, silver	4015120425431
COMPACT COVER SET 24/32 BK	EP00007491	Cover set for COMPACT series, 24 m/32 m, consists of cover and design ring, black	4015120007491
Electrical accessories			
FILTER 230 V	EP10426988	Filter for suppression of inductive loads, such as relays, contactors, fluorescent lamps and transformers	4015120426988
Mounting			
COMPACT MOUNTING BOX IP20 SM WH	EP10425370	Surface-mounted box for COMPACT series, IP20, white	4015120425370
COMPACT MOUNTING BOX IP20 SM SR	EP10425387	Surface-mounted box for COMPACT series, IP20, silver	4015120425387
COMPACT MOUNTING BOX IP54 SM WH	EP10425905	Surface-mounted box for COMPACT series, IP54, white	4015120425905
COMPACT MOUNTING BOX IP54 SM SR	EP10425912	Surface-mounted box for COMPACT series, IP54, silver	4015120425912
MOUNTING SET IP20 FM 62 WH	EP10425929	Recessed ceiling mounting set includes installation bracket and dust-protected box, 62 mm	4015120425929
COMPACT MOUNTING BOX IP54 SM BK	EP10426940	Surface-mounted box for COMPACT series, IP54, black	4015120426940
COMPACT MOUNTING BOX IP20 SM BK	EP10426933	Surface-mounted box for COMPACT series, IP20, black	4015120426933
COMPACT APC MOUNTING BOX IP20 SM WH	EP10426278	Surface-mounted box IP20 for COMPACT APC DALI-2	4015120426278
Protection			
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

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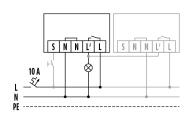
MD-C 360i/32 Corridor

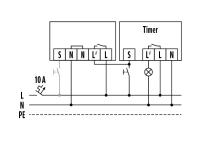
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Dimension drawing Field of detections Detection range Diagonally (A) 32 m elliptical Frontal (B) Ø 16 m

Circuit diagram Circuit diagram





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

 $Standard\ operation\ with\ automatic\ stairwell\ light\ and\ optional\ control\ via\ a\ closing\ button.$

Detailed product description

- · Motion detector with 360° field of detection for ceiling mounting
- Large Range of up to 32 m in corridors or passages in diameter at a recommended installation height of 3 m, suitable for a variety of uses
- 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
- Automatic lighting control for use without, or with very little, natural light
- Simple programming using remote control with "blue mode" technology or setting elements (potentiometer)
- Integrated toggle for setting with remote control or by adjusting controller prevents operating errors and provides tamper protection
- Default settings ensure immediate operability
- Masking of interference sources by reducing sensitivity using DIP switches
- Push button input with toggle function "room = ON + OFF/hallway = ON"
- Flush-mounted device as standard
- Surface mounting or recessed ceiling mounting with accessories
- · Large wiring space due to shallow installation depth of power box
- · Quick and simple connection with plug-in terminals

- Extension of the field of detection with parallel connection of max. 8 detectors
- Targeted masking out of areas by means of an enclosed lens mask