DATA SHEET

ESYLUX

MD-C 360i/8 MIC

Item number	GTIN
EP10425875	4015120425875

Ø 8 m	360°	ON/OFF	IP20	1 CH	🎤

Product description

- Motion detector with **360° field of detection** for ceiling mounting
- **Range of up to 8 m** in diameter at a recommended installation height of 3 m (maximum mounting height 5 m)
- **In-built acoustic sensor** for optimum use in complex and angular rooms with no or little natural lighting
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

Offers special product features like:
- Acoustic sensor
- Simple parameterisation, remote control and documentation with ESY-Pen and ESY-App

5 YEARS MANUFACTURER WARRANTY

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).
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/Depth 62 mm, Ø 108 mm
Weight	146 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

Control system	ON/OFF
Protection class	II
Nominal voltage	230 V ~ / 50 Hz
In-rush current	800 A / 200 µs
Power consumption	0.3 W

SENSORS

Detection angle	360°
Detection range diagonally	Ø 8 m
Detection range head-on	Ø 6 m
Field of detection	up to 50 m²
Recommended installation height	3 m
Max. mounting height	5 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
Switching delay from "dark to light"	0 s
Switching delay from "light to dark"	30 s
Constant light control	–
Channel	**C1** Lighting
Function	Switching

DATA SHEET

ESYLUX

MD-C 360i/8 MIC

Item number	GTIN
EP10425875	4015120425875

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	Push button input	✓
		Impulse mode	✓
		Switch-off delay time	60 s...30 min (adjustable in steps)
Switch contact	make contact / non-floating		

Factory settings

GENERAL

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

CHANNELS (LIGHTING / HVAC)

Channel	**C1** Lighting

Accessories

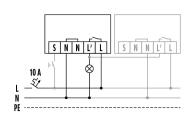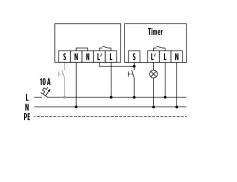| Product designation	Item number	Product description	GTIN
Cover			
COMPACT COVER SET 8 SR	EP10425936	Cover set for COMPACT series, 8 m, consists of cover and design ring, stainless steel appearance, similar to RAL 9006	4015120425936
Electrical accessories			
FILTER 230 V	EP10426988	Filter for suppression 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 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

DATA SHEET

MD-C 360i/8 MIC

Item number	GTIN
EP10425875	4015120425875

Dimension drawing

Field of detections

Detection range

▢ Diagonally (A)		Ø 8 m
▣ Frontal (B)		Ø 6 m

Circuit diagram

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

Circuit diagram

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
- **Range of up to 8 m** in diameter at a recommended installation height of 3 m (maximum mounting height 5 m)
- 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
- **In-built acoustic sensor** for optimum use in complex and angular rooms with no or little natural lighting
- Default settings ensure immediate operability
- Automatic lighting control for use without, or with very little, natural light
- Simple programming using remote control with "blue mode" technology or setting elements
- Integrated toggle for setting with remote control or by adjusting controller - prevents operating errors and provides tamper protection
- Masking of interference sources by reducing sensitivity using DIP switches
- Additional switch input with toggle function "room = ON + OFF/hallway = ON"
- Flush-mounted device as standard
- Surface mounting or recessed ceiling mounting with accessories
- Easily replaceable/paintable cover and design ring (available in silver as an accessory)
- 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