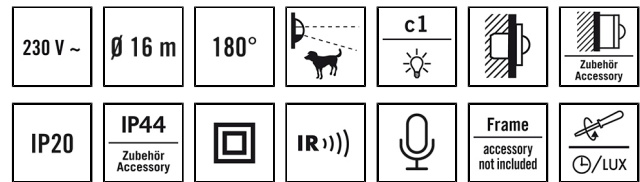


MD 180i/R

Item number **GTIN**
EM10055010 4015120055010



Product description

- Wall-mounted motion detector with **180° field of detection**
- **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)

Offers special product features like:

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



Technical data

GENERAL

Device category	Wall-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, WEEE
Product-specific information	Integrated acoustic sensor for optimal use in complex and labyrinthine rooms with little or no daylight.
Warranty	3 years

ATTACHMENT

Installation type	Flush-mounted/Device socket Ø 68 mm
Installation position	Wall
Installation dimension	Installation depth: 34 mm, Ø 60 mm
Type of connection	Push terminal
Connectable wire cross section	0.75 – 2.5 mm ²

HOUSING

Dimensions	Length 70 mm x Width 70 mm x Height/Depth 55 mm
Weight	91 g
Material	UV-stabilised polycarbonate
Protection type	IP20, IP44 depending on cover (order separately)
Protection type with accessory	IP44 depending on cover (order separately)
Permissible ambient temperature	0 °C...+50 °C
Relative humidity	5 – 93 %, non-condensing
Colour	opal matt

ELECTRICAL VERSION

Control system	ON/OFF
Protection class	II
Nominal voltage	230 V ~ / 50 Hz
In-rush current	800 A / 200 µs
Power consumption	0.9 W

SENSORS

Detection angle	180° horizontal, 60° vertical
Detection range diagonally	Ø 16 m
Detection range head-on	Ø 6 m
Field of detection	up to 101 m ²
Recommended installation height	1.1 m
Max. mounting height	2.2 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	–
Slave input	✓
Max. number of slave detectors	6
Mode	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

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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	✓
Switch contact	make contact / non-floating	Impulse mode	✓
		Switch-off delay time	15 s...30 min (adjustable in steps)

Factory settings

GENERAL		CHANNELS (LIGHTING / HVAC)	
Sensitivity	100 %	Channel	C1 Lighting
		Operating mode	fully automatic

Accessories

Product designation	Item number	Product description	GTIN
Cover			
COVER IP20 WH	EM10055102	Cover for wall detectors from the STANDARD series, IP20, white, similar to RAL 9010	4015120055102
COVER IP20 SWH	EM10055119	Cover for wall detectors from the STANDARD series, IP20, white, similar to RAL 9016	4015120055119
COVER IP20 CWH	EM10055126	Cover for wall detectors from the STANDARD series, IP20, white, similar to RAL 1013	4015120055126
COVER IP20 AN	EM10055133	Cover for wall detectors from the STANDARD series, IP20, anthracite, similar to RAL 7021	4015120055133
COVER IP20 SR	EM10055140	Cover for wall detectors from the STANDARD series, IP20, silver	4015120055140
COVER IP44 WH	EM10055157	Cover for wall detectors from the STANDARD series, IP44, white	4015120055157
COVER ELK RS/PLUS IP20 WH	EM10055270	Cover for wall detector fits with Elko RS/PLUS, IP20, white	4015120055270
COVER SEL Trend IP20 WH	EM10055287	Cover for wall detector fits with Schneider Electric Trend, IP20, white	4015120055287
COVER SEL EXX IP20 WH	EM10055294	Cover for wall detector fits with Schneider Electric Exxact, IP20, white	4015120055294
COVER BER S1 IP20 PWH	EP10427107	Cover for wall detector fits with Berker S.1, IP20, polar white	4015120427107
COVER BER MOD2 IP20 WH	EP10427138	Cover for wall detector fits with Berker module 2, IP20, white	4015120427138
COVER BUJ REF IP20 WH	EP10427145	Cover for wall detector fits with Busch-Jäger Reflex, IP20, white	4015120427145
COVER GIR S55 IP20 WH	EP10427169	Cover for wall detector fits with Gira Standard 55, IP20, white	4015120427169
COVER GIR S55 IP20 CWH	EP10427176	Cover for wall detector fits with Gira Standard 55, IP20, cream white	4015120427176
Electrical accessories			
FILTER 230 V	EP10426988	Filter for suppression of inductive loads, such as relays, contactors, fluorescent lamps and transformers	4015120426988
Mounting			
MOUNTING BOX IP44 SM WH	EM10055164	Surface-mounted box for wall detectors from the STANDARD series, IP44, white	4015120055164
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
Wall-mounted presence detector			
MD/PD 180 Slave	EM10410024	Slave detector for extending the field of detection of a Master detector with 180° field of detection for wall mounting	4015120410024

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Dimension drawing	Field of detections	Detection range	
		<p>■ Diagonally (A)</p>	<p>Ø 16 m</p>
		<p>■ Frontal (B)</p>	<p>Ø 6 m</p>

Circuit diagram	Circuit diagram

Standard operation with optional control via a closing button. and use of max. six slave devices to one master device.

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

Detailed product description

- Wall-mounted motion detector with **180° field of detection**
- **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), 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
- Cover frame IP 20 in 5 different colours
- Compatible with brand switches; therefore replaces any conventional switch
- IP 44 version suitable for damp rooms, garages and basement access ways. Vandal-proof cover with stainless steel screws (accessory)
- Double plug-in terminals for through-wiring allow quick and easy installation
- Manual control possible through in-built ON/OFF/AUTO switch
- Prevent unwanted triggering of device e.g. by small animals, by masking the vertical field of detection by means of an enclosed covering cap
- Universal surface-mounted box IP 20/IP 44 with triple diaphragm line entrance
- In-built impulse feature for controlling automatic stairwell lights or control devices, and for use in facility management/PLC