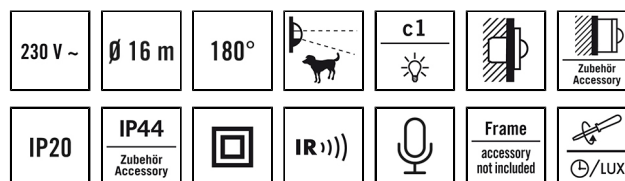


## MD 180i/R

**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-year

#### ATTACHMENT

Installation type	Recessed mounting / device box (Ø 68 mm)
Installation position	Wall
Installation dimension	Installation depth: 34 mm, Ø 60 mm
Type of connection	Push terminal
Connectable wire cross section	1.50 – 2.50 mm <sup>2</sup>

#### HOUSING

Dimensions	Length 70 mm x Width 70 mm x Height/Depth 29 mm
Weight	25 g
Material	UV-stabilised polycarbonate
Protection type	IP20, 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 - 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 <sup>2</sup>
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	<b>C1</b> Lighting
Function	Switching

## MD 180i/R

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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
<b>Cover</b>			
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, white, 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 S1 IP20 WH	EP10427114	Cover for wall detector fits with Berker S.1, IP20, white	4015120427114
COVER BER MOD2 IP20 PWH	EP10427121	Cover for wall detector fits with Berker module 2, IP20, polar white	4015120427121
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
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### Mounting

MOUNTING BOX IP44 SM WH	EM10055164	Surface-mounted box for wall detectors from the STANDARD series, IP44, white	4015120055164
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### 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

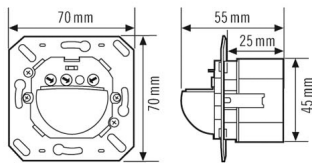
### Wall-mounted presence detector

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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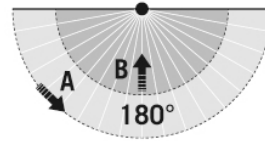
## MD 180i/R

**Item number**      **GTIN**  
 EM10055010      4015120055010

### Dimension drawing



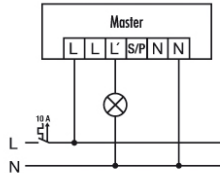
### Field of detections



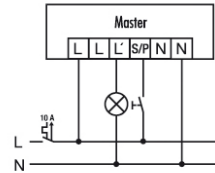
### Detection range

■ Diagonally (A)	∅ 16 m
■ Frontal (B)	∅ 6 m

### Circuit diagram



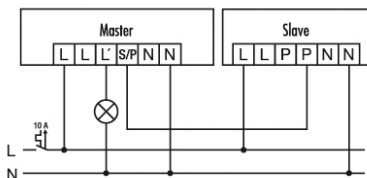
### Circuit diagram



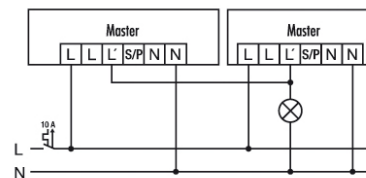
Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

### Circuit diagram



### Circuit diagram



Master-slave switching (a maximum of 6 slave devices may be connected to one master).

A maximum of 6 devices can be connected in parallel.