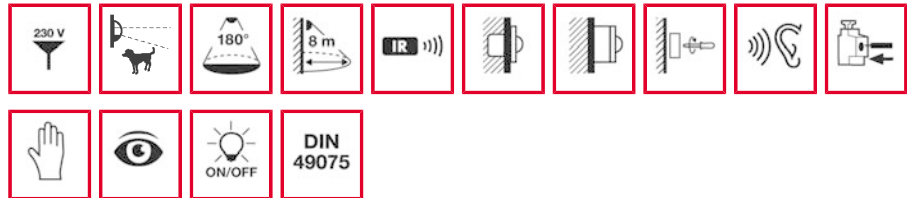




Order description  
MD 180i/R

Order number  
EM10055010

EAN code  
4015120055010



**Short description:**

- Wall-mounted motion detector with 180° field of detection (**relay version**)
- With in-built acoustic sensor for optimal use in areas with a complex layout
- With 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
- With 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. Vandalproof 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

**Technical data:**

Mains voltage	230 V AC, 50 Hz
Approx. power consumption	0.9 W
Viewing distance	180° horizontal, 60° vertical
Range	approx. 8 m, at an installation height of 1,1 m - 2.2 m
Setting options	mechanically by adjusting controller, electronically by infrared Mobil-PDi/MDi remote control (order separately)
Switching capacity	230 V AC, 50 Hz/(16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5), capacitive load/electronic ballasts - max. inrush current 450 A/200 µs
No. of switchable electronic ballasts	30 x (1 x 18 W), 20 x (2 x 18 W), 25 x (1 x 36 W), 15 x (2 x 36 W), 20 x (1 x 58 W), 10 x (2 x 58 W)
Time setting	impulse/approx. 15 sec. - 30 mins.
Light value	approx. 5 - 2000 Lux
Slave input	yes
Permissible ambient temperature	0 °C...+50 °C
Protection type	IP 20 or IP 44 depending on cover (order separately)
Protection class	II
Test symbol	TÜV Süd
Installation type	wall mounting
Housing material	UV stabilised polycarbonate
Approx. measurements	height 70 mm x width 70 mm x length 63 mm

**Accessories**

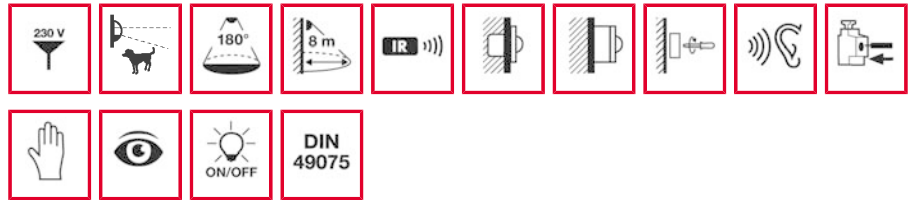
- EM10055102 - Cover IP 20 white
- EM10055119 - Cover IP 20 signal white
- EM10055126 - Cover IP 20 cream white
- EM10055133 - Cover IP 20 charcoal grey
- EM10055140 - Cover IP 20 stainless steel appearance
- EM10055157 - Cover IP 44 white
- EM10055164 - Surface-mounted box IP 20/IP 44 white
- EM10055270 - Cover IP 20-SKK white
- EM10055287 - Cover IP 20-SKJ white
- EM10410024 - MD/PD 180 Slave
- EM10425509 - Mobil-PDi/MDi silver/metallic blue
- EM10980701 - RC-filter aluminium appearance

**Note:** Order cover and remote control separately.

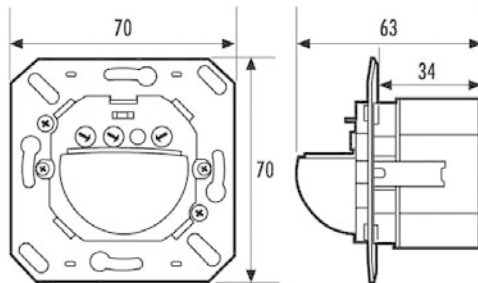
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Dimensions in mm

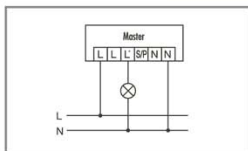


Schaltplan

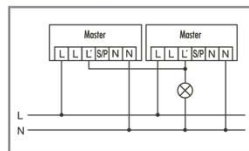
Bewegungsmelder MD 180i/R

MD/PD 180 Slave

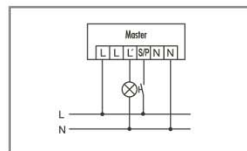
Kombinierbar mit Slave-Ausführung



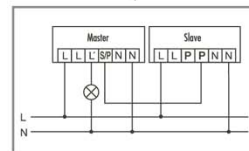
Standardbetrieb



Parallelschaltung von max. 5 x MD 180i/R.



Standardbetrieb mit zusätzlicher Ansteuerung durch Schließtaster. Bei Bedarf kann das Licht durch den Taster manuell ein- bzw. ausgeschaltet werden.



Master-Slave-Schaltung: Das Master-Gerät schaltet angeschlossene Verbraucher je nach eingestellten Parametern. Die Slave-Geräte dienen nur der Bewegungserfassung und geben bei erkannter Bewegung einen Impuls an das Master-Gerät.  
**Achtung:** Es können max. 10 Slave-Geräte an ein Master-Gerät angeschlossen werden.

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