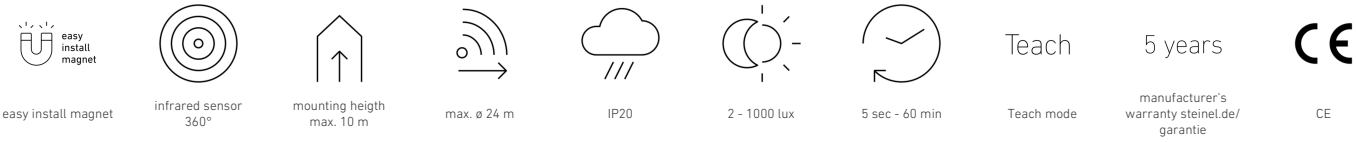
Motion detector - Professional Line

MD-24 ECO

COM1 - in-ceiling installation
EAN 4007841 087777
Article number 087777



easy install magnet | infrared sensor 360° | mounting heigth max. 10 m | max. ø 24 m | IP20 | 2 - 1000 lux | 5 sec - 60 min | Teach mode | manufacturer's warranty steinel.de/garantie | CE

Function description

The new 360° IR motion detectors with a range of Ø 8 or Ø 24 m are the more convenient solution for sensor-based standard requirements in public buildings. Ideal for motion detection and light measurement, e.g. in offices, meeting rooms and passageways. With COM1 interface, key input and fully/semi-automatic mode. Configuration and operation via Smart Remote control or potentiometer. Incl. insertable cover caps to limit the detection range. Easy installation, thanks to the modular magnetic plug-in connection. For concealed wiring, surface mounting and recessed ceiling installation. LED feedback for easy commissioning. Mounting height max. 4 m. Parallel switching: (max. 10 sensors). Switching output: 2000 watt or 500 watt (LED). sensNORM-compliant.

Technical specifications

Dimensions (Ø x H)	109 x 114 mm
With motion detector	Yes
Manufacturer's Warranty	5 years
Settings via	Remote control, Smart Remote, Potentiometers
With remote control	No
Version	COM1 - in-ceiling installation
PU1, EAN	4007841087777
Type	Motion detectors
Application, place	Indoors
Application, room	one-person office, function room / ancillary room, Indoors, warehouse
Colour	white
Includes corner wall mount	No
Installation site	ceiling
Installation	In-ceiling installation, Ceiling

Mounting height	2 – 10,00 m
Mounting height max.	10,00 m
Optimum mounting height	2,8 m
Detection angle	360 °
Capability of masking out individual segments	Yes
Electronic scalability	No
Mechanical scalability	No
Reach, radial	Ø 5.5 m (24 m^2)
Reach, tangential	Ø 24 m (452 m^2)
Switching zones	1436 switching zones
Cover material	shrouds
Functions	Motions sensor, Light sensor, Semi-/fully automatic, Potentiometer, Relay output, Normal / test mode
Twilight setting	2 – 1000 lx

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Technical specifications

IP-rating	IP20
Ambient temperature	from -20 up to 50 °C
Material	Plastic
Switching output 1, resistive	2000 W
Switching output 1, number of LEDs / fluorescent lamps	50 pcs.
LED lamps > 8 W	500 W
Capacitive load in µF	176 µF
Technology, sensors	passive infrared, Mixed light metering

Time setting	5 s – 60 Min.
Main light adjustable	No
Twilight setting TEACH	Yes
Constant-lighting control	No
Type of interconnection	Master/master
Interconnection via	Cable
Interconnection, number	max. 10 sensors
Product category	Motion detector

Accessories

EAN 4007841 079543	Recessed adapter In-ceiling installation
EAN 4007841 009151	Remote control Smart Remote
EAN 4007841 592806	User remote control RC5
EAN 4007841 559410	Service remote control RC8

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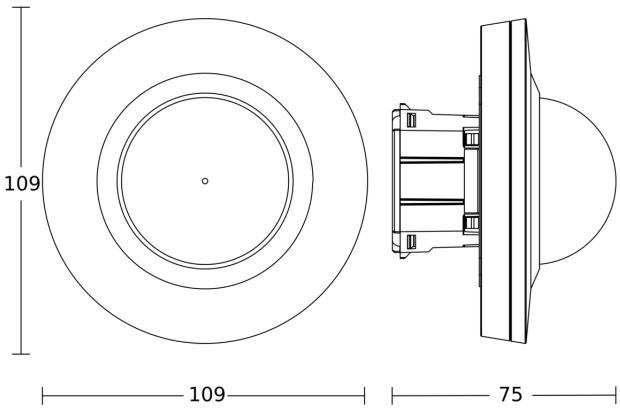
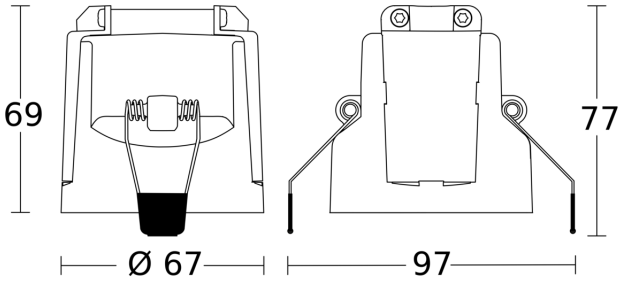
Detection Zone 1

Detection Zone 2

Dimension Drawing 1



Dimension Drawing 2



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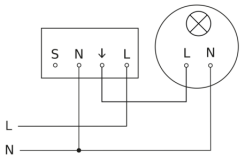
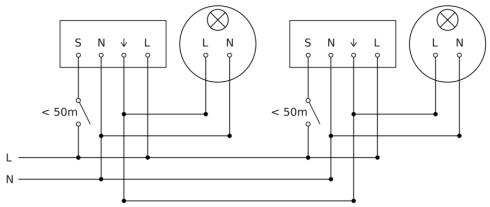
Circuit diagram



Circuit diagram for interconnecting several sensors