

Motion detector - Professional Line

## MD-8 ECO

COM1 - in-ceiling installation

EAN 4007841 087807

Article number 087807



easy install magnet



infrared sensor  
360°



ideal 1 - 2,5 m



max. 8 m



2 - 1000 lux



5 sec - 60 min



IP20

Teach

Teach mode

5 years

manufacturer's  
warranty steinel-  
professional.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.

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## Technical specifications

Dimensions (Ø x H)	109 x 109 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	4007841087807
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
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, Light sensor

Mounting height	2 – 4 m
Mounting height max.	4,00 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 4.5 m (16 m²)
Reach, tangential	Ø 8 m (50 m²)
Switching zones	492 switching zones
Cover material	shrouds
Functions	Motions sensor, Light sensor, Semi-/ fully automatic, Potentiometer, Relay output, Normal / test mode
Twilight setting	2 – 1000 lx
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

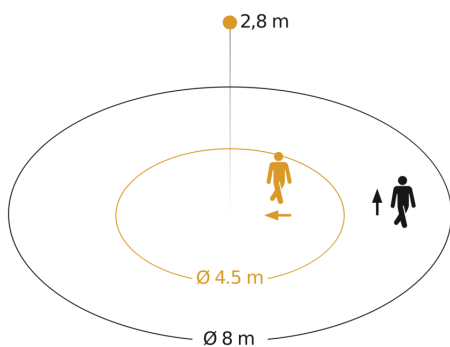
## Accessories

EAN 4007841 079543	Recessed adapter
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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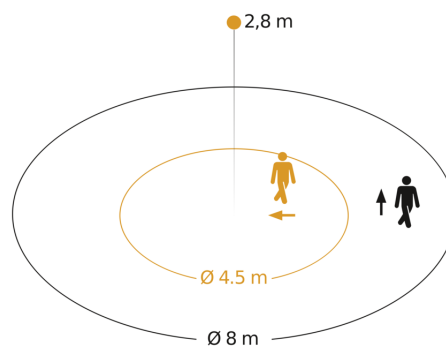
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## Detection Zone 1



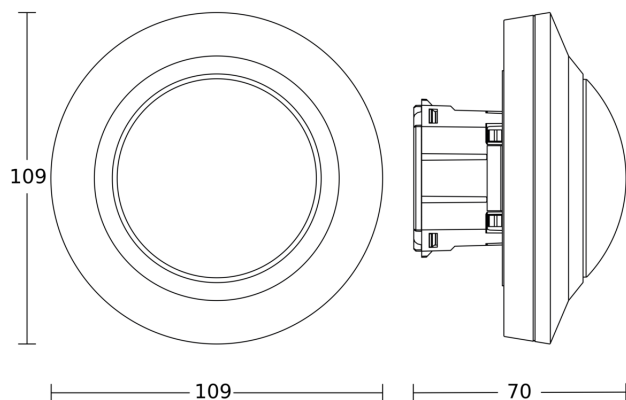
Possible mounting height: 2,00 m – 4,00 m  
Orange: radial  
Black: tangential

## Detection Zone 2

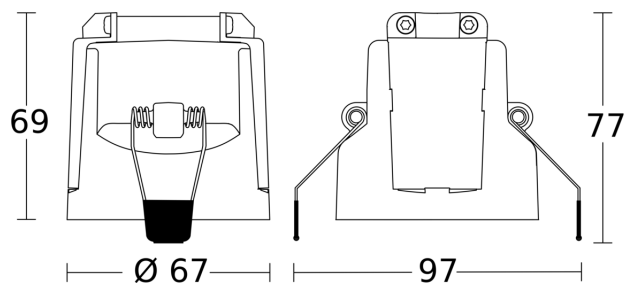


Possible mounting height: 2,00 m – 4,00 m  
Orange: radial  
Black: tangential

## Dimension Drawing 1



## Dimension Drawing 2



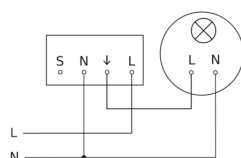
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## Circuit diagram



## Circuit diagram for interconnecting several sensors

