Motion and Presence Detector - Professional Line

PD-24 ECO

COM1 - in-ceiling installation black
EAN 4007841 087845
Article number 087845

easy install magnet

infrared sensor 360°

mounting heigth max. 10 m

max. ø 24 m

Presence Ø 7,5 m

2 - 1000 lux

IP20

Teach

Teach mode

5 years

manufacturer's warranty steinel.de/garantie

CE

Function description

Motion detection, presence detection and light measurement for offices, meeting rooms, passageways and more – the 360° IR presence detectors are sensNORM-compliant and ideal for sensor-based standard requirements in public buildings. With COM1, KNX and DALI-2 IPD interface. With COM1 interface, key input and fully/semi-automatic mode. Motion detection range: Ø 8 or Ø 24 m. Presence detector function with Ø 6 or Ø 7.5 m detection zone. Includes insertable cover caps in a matching colour. For concealed wiring, surface mounting and recessed ceiling installation. Configuration and operation via Smart Remote control or potentiometer. Installation-friendly modular magnetic plug-in connection. LED feedback for safe commissioning. Mounting height max. 4 m. Parallel switching (up to 10 sensors). Switching output: 2000 watt or 500 watt (LED). In black or white.

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 black
PU1, EAN	4007841087845
Type	Motion and Presence Detector
Application, place	Indoors
Application, room	one-person office, function room / ancillary room, Indoors, warehouse
Colour	black
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)
Reach, presence	Ø 7.5 m (44 m^2)
Switching zones	1436 switching zones
Cover material	shrouds
Functions	Motions sensor, Light sensor, Presence function, Presence detector logic, Semi-/fully

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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

	automatic, Normal / test mode, Potentiometer, Relay output
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 and Presence 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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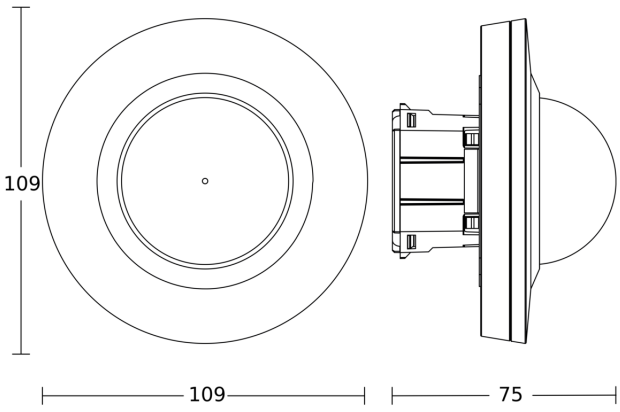
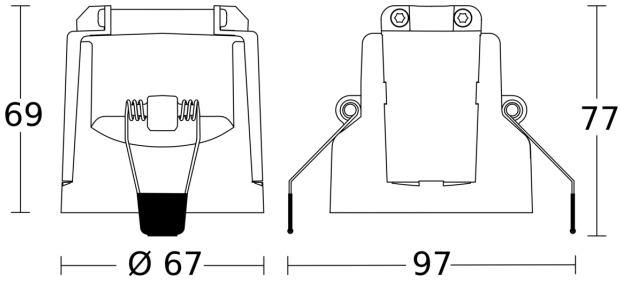
Detection Zone 1

Detection Zone 2

Dimension Drawing 1



Dimension Drawing 2



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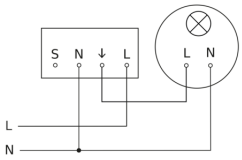
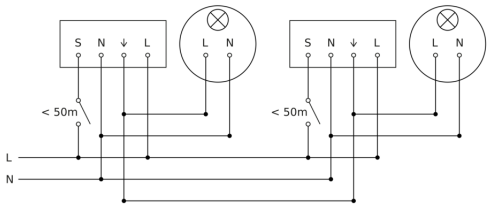
Circuit diagram



Circuit diagram for interconnecting several sensors