PD-8 ECO

COM1 - surface white
EAN 4007841 087890
Article number 087890

steinel

infrared sensor 360°	ideal 1 - 2,5 m	Presence Ø 6 m	max. 8 m	IP54	2 - 1000 lux	Teach mode	manufacturer's warranty steinel-professional.de/ garantie	CE
						Teach	5 years	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.

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Technical specifications

Dimensions (Ø x H)	129 x 65 mm
With motion detector	Yes
Manufacturer's Warranty	5 years
Settings via	Remote control, Smart Remote, Potentiometers
With remote control	No
Version	COM1 - surface white
PU1, EAN	4007841087890
Type	Motion and Presence Detector
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	Surface wiring, Ceiling
IP-rating	IP54
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

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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 m^2)
Reach, tangential	Ø 8 m (50 m^2)
Reach, presence	Ø 6 m (28 m^2)
Switching zones	492 switching zones
Cover material	shrouds
Functions	Motions sensor, Light sensor, Presence function, Presence detector logic, 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 and Presence 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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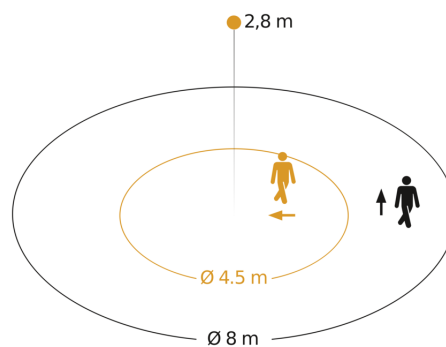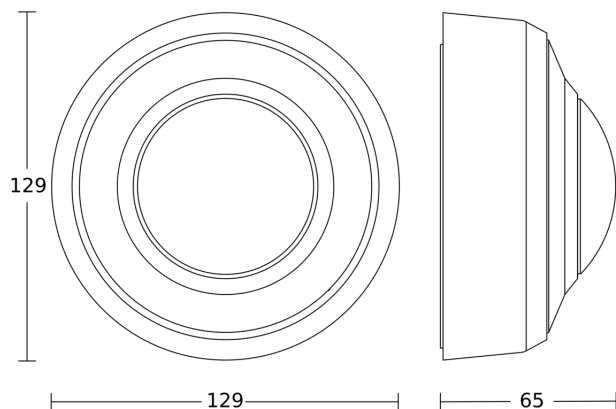EAN 4007841 087890
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Detection Zone 1

● 2,8 m

Ø 4.5 m

Ø 8 m
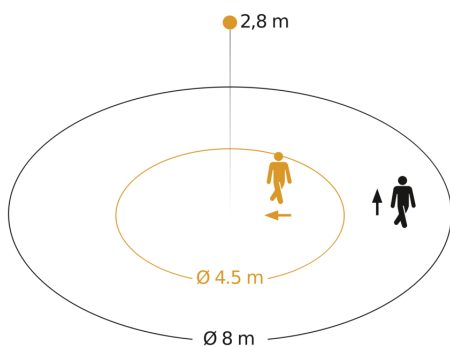
Possible mounting height: 2,00 m – 4,00 m
Orange: radial
Black: tangential

Detection Zone 2

● 2,8 m

Ø 4.5 m

Ø 8 m

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

Dimension Drawing

129

129

65

Circuit diagram

S N ↓ L   L N

L
N
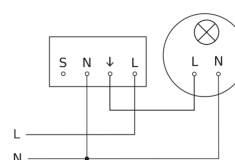
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Circuit diagram for interconnecting several sensors