Motion and Presence Detector - Professional Line

PD-24 ECO

COM1 - surface black
EAN 4007841 087821
Article number 087821

easy install magnet | infrared sensor 360° | mounting heigth max. 10 m | max. ø 24 m | Presence Ø 7,5 m | 2 - 1000 lux | IP54 | Teach mode | 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)	129 x 70 mm
With motion detector	Yes
Manufacturer's Warranty	5 years
Settings via	Remote control, Smart Remote, Potentiometers
With remote control	No
Version	COM1 - surface black
PU1, EAN	4007841087821
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	Surface wiring, 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

PD-24 ECO

COM1 - surface black
EAN 4007841 087821
Article number 087821

Technical specifications

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, 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

Motion and Presence Detector - Professional Line

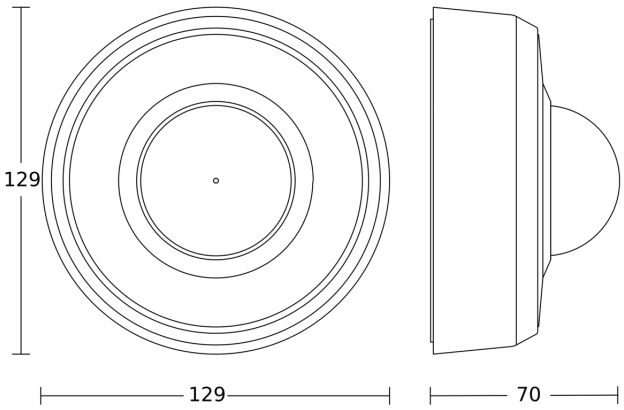
PD-24 ECO

COM1 - surface black
EAN 4007841 087821
Article number 087821

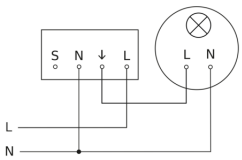
Detection Zone 1

Detection Zone 2

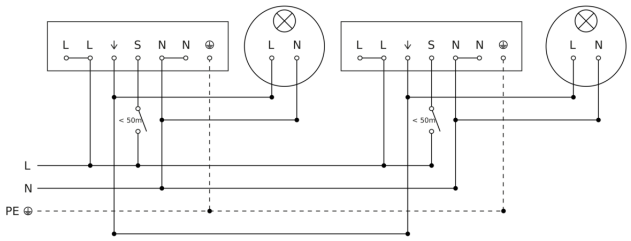
Dimension Drawing



Circuit diagram



PD-24 ECO

COM1 - surface black
EAN 4007841 087821
Article number 087821

Circuit diagram for interconnecting several sensors