

# PD-8 ECO

COM1 - in-ceiling installation black  
EAN 4007841 087906  
Article number 087906



easy install magnet



infrared sensor  
360°



ideal 1 - 2,5 m



Presence Ø 6 m



max. 8 m



2 - 1000 lux



IP20

Teach

Teach mode

5 years

manufacturer's  
warranty steinel-  
professional.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.

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## Technical specifications

|  |   |   |  |
|--|---|---|--|
| Dimensions (Ø x H)                                     | 109 x 109 mm  | Mounting height                               | 2 – 4 m  |
| With motion detector                                   | Yes   | Mounting height max.                          | 4,00 m   |
| Manufacturer's Warranty                                | 5 years   | Optimum mounting height                       | 2,8 m  |
| Settings via   | Remote control, Smart Remote, Potentiometers                          | Detection angle                               | 360 °  |
| With remote control                                    | No  | Capability of masking out individual segments | Yes  |
| Version  | COM1 - in-ceiling installation black                                  | Electronic scalability                        | No   |
| PU1, EAN   | 4007841087906   | Mechanical scalability                        | No   |
| Type   | Motion and Presence Detector  | Reach, radial                                 | Ø 4.5 m (16 m²)  |
| Application, place                                     | Indoors   | Reach, tangential                             | Ø 8 m (50 m²)  |
| Application, room                                      | one-person office, function room / ancillary room, Indoors, warehouse | Reach, presence                               | Ø 6 m (28 m²)  |
| Colour   | black   | Switching zones                               | 492 switching zones  |
| Includes corner wall mount                             | No  | Cover material                                | shrouds  |
| Installation site                                      | ceiling   | Functions                                     | Motions sensor, Light sensor, Presence function, Presence detector logic, Semi-/fully automatic, Potentiometer, Relay output, Normal / test mode |
| Installation   | In-ceiling installation, Ceiling                                      | Twilight setting                              | 2 – 1000 lx  |
| IP-rating  | IP20  | Time setting                                  | 5 s – 60 Min.  |
| Ambient temperature                                    | from -20 up to 50 °C  | Main light adjustable                         | No   |
| Material   | Plastic   | Twilight setting TEACH                        | Yes  |
| Switching output 1, resistive                          | 2000 W  | Constant-lighting control                     | No   |
| Switching output 1, number of LEDs / fluorescent lamps | 50 pcs.   | Type of interconnection                       | Master/master  |
| LED lamps > 8 W  | 500 W   | Interconnection via                           | Cable  |
| Capacitive load in µF                                  | 176 µF  | Interconnection, number                       | max. 10 sensors  |
| Technology, sensors                                    | passive infrared, Light sensor  | Product category                              | Motion and Presence Detector   |

## Accessories

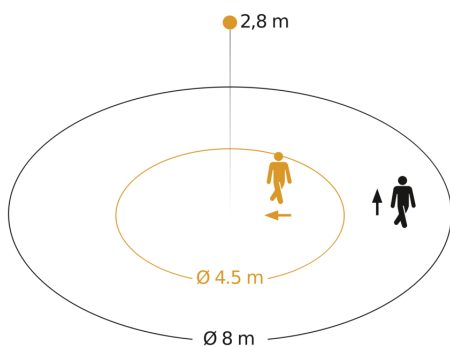
|                    |                             |
|--------------------|-----------------------------|
| EAN 4007841 079543 | Recessed adapter            |
| EAN 4007841 009151 | Remote control Smart Remote |
| EAN 4007841 592806 | User remote control RC5     |
| EAN 4007841 559410 | Service remote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

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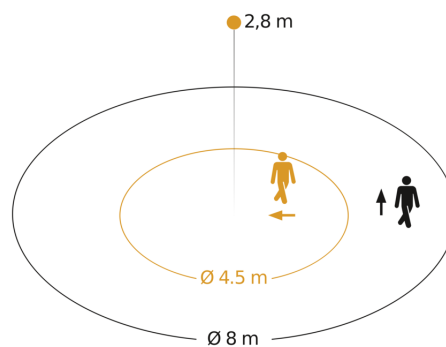


## Detection Zone 1



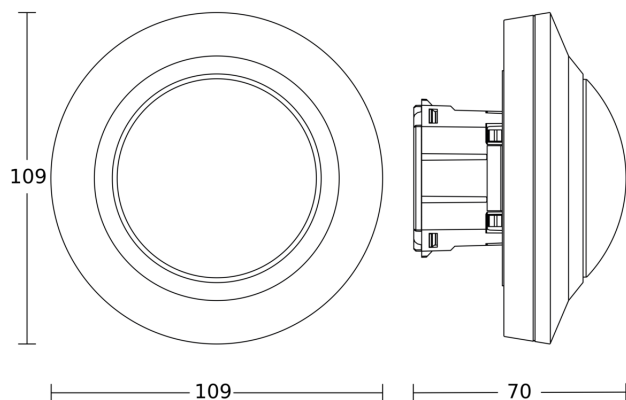
Possible mounting height: 2,00 m – 4,00 m  
 Orange: radial  
 Black: tangential

## Detection Zone 2

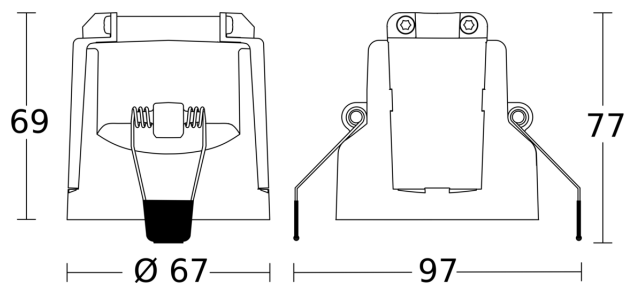


Possible mounting height: 2,00 m – 4,00 m  
 Orange: radial  
 Black: tangential

## Dimension Drawing 1



## Dimension Drawing 2



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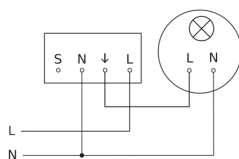
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## Circuit diagram



## Circuit diagram for interconnecting several sensors

