

Motion detector - Professional Line

# MD-24 ECO

COM1 - Surface wiring  
EAN 4007841 087760  
Article number 087760



easy install magnet



infrared sensor  
360°



ideal 1 - 2,5 m



max. ø 24 m



2 - 1000 lux



IP54



5 sec - 60 min

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)                                     | 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 wiring   |
| PU1, EAN   | 4007841087760   |
| 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   | 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  |

|   |   |
|---|---|
| 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 5.5 m (24 m²)   |
| Reach, tangential                             | Ø 24 m (452 m²)   |
| Switching zones                               | 1436 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

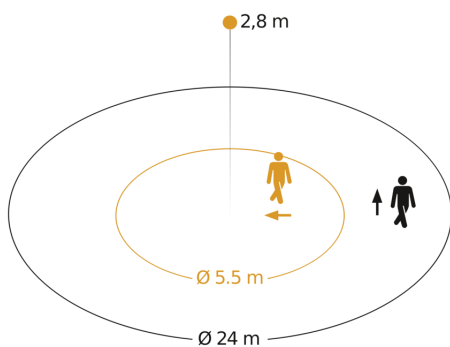
|                    |                             |
|--------------------|-----------------------------|
| EAN 4007841 079543 | Recessed adapter            |
| EAN 4007841 009151 | Remote control Smart Remote |
| EAN 4007841 592806 | User remote control RC5     |
| EAN 4007841 559410 | Service remote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

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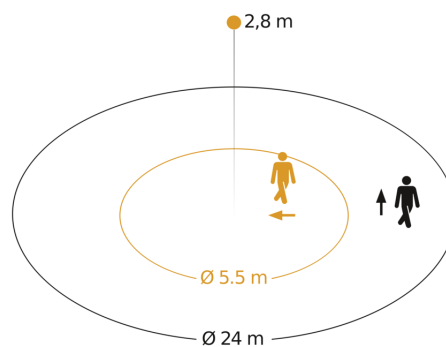


## Detection Zone 1



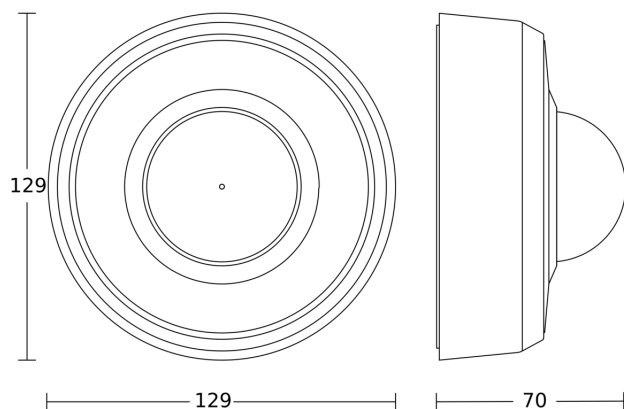
Possible mounting height: 2,00 m – 4,00 m  
Orange: radial  
Black: tangential

## Detection Zone 2

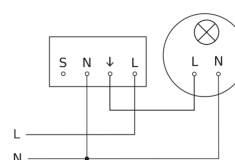


Possible mounting height: 2,00 m – 4,00 m  
Orange: radial  
Black: tangential

## Dimension Drawing



## Circuit diagram



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## Circuit diagram for interconnecting several sensors

