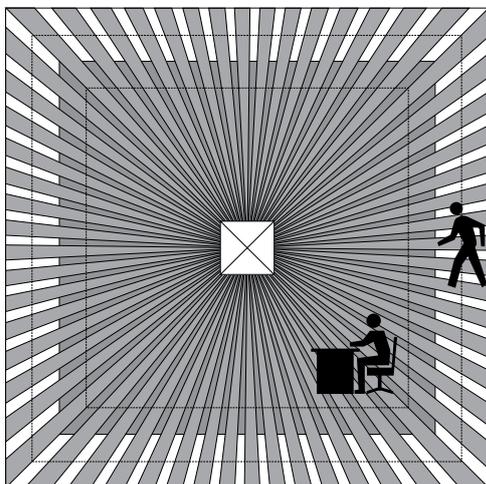
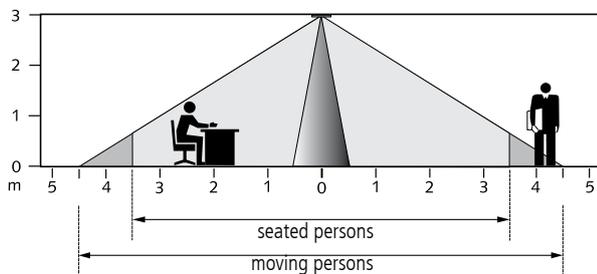


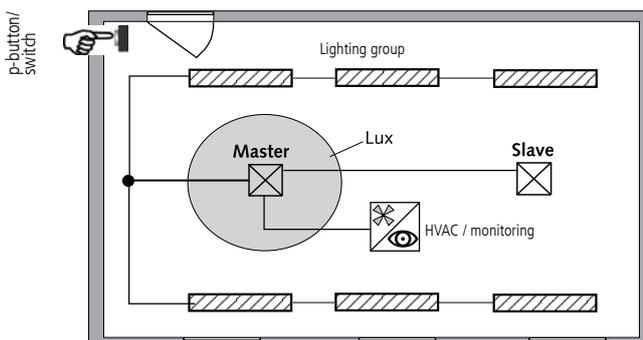
PlanoCentro 000-A-230V presence detector flush mounting



Detection range (mounting height 3.0 m)



Parallel Master-Slave switching for a lighting group



PlanoCentro 000-A-230V Product Features

- ◆ Passive infra-red presence detector for ceiling installation and flush-mounting
- ◆ Square 360° detection range (up to 100 m², 10 x 10 m) enables reliable and straightforward planning
- ◆ Presence information for parallel connection Master-Slave
- ◆ Flat design with exchangeable cover frame in a range of shapes, colours and materials
- ◆ Adjustable sensitivity
- ◆ Can be configured remotely and read out of the parameters
- ◆ Management remote control SendoPro 868-A (optional)

Application

The presence detector PlanoCentro 000 (Slave) serves to extend the detection area in combination with a master device such as PlanoCentro 101. By relaying the presence signal the PlanoCentro 000 helps with the comfortable and energy-efficient control of lighting, HVAC and shading. The area of preferred use includes large spaces such as offices and classrooms.

Placement

Detection range

The square detection area guarantees accurate and simple planning. A whole room can be covered with parallel connections. Note that seated and moving persons can be detected in differently-sized areas.

The recommended mounting height is 2.5 - 3.5 m.

The sensitivity of the detector reduces with higher mounting heights. The detection areas of several detectors should meet in the marginal zones.

| M.height | seated persons | | moving persons | |
|----------|-------------------|-------------|--------------------|----------------------|
| 2.0 m | 20 m ² | 4.5m x 4.5m | 36 m ² | 6,0m x 6,0m ± 0,5m |
| 2.5 m | 36 m ² | 6.0m x 6.0m | 64 m ² | 8,0m x 8,0m ± 0,5m |
| 3.0 m | 49 m ² | 7.0m x 7.0m | 81 m ² | 9,0m x 9,0m ± 1,0m |
| 3.5 m | 64 m ² | 8.0m x 8.0m | 100 m ² | 10,0m x 10,0m ± 1,0m |

Seated persons

The presence detector is very sensitive and reacts to the slightest movements. This is particularly required for office areas where people are seated for a long period of time. The details relate to the detection area for movements at table height (approx. 0.80 m).

Moving persons

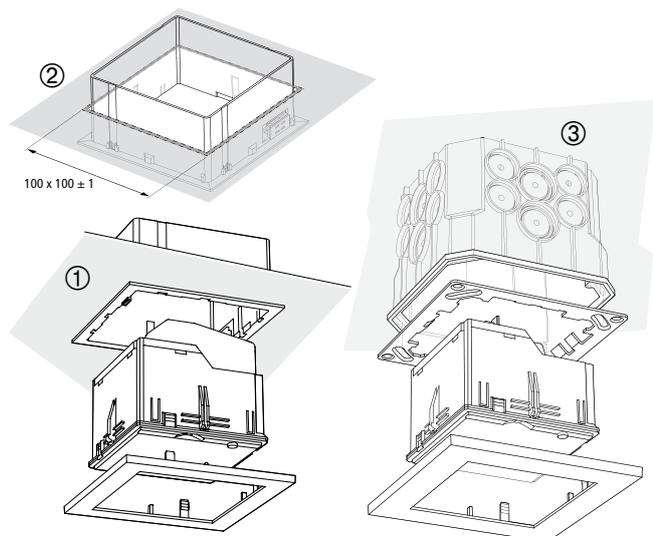
This area is for motion detection such as walking.

Interconnection

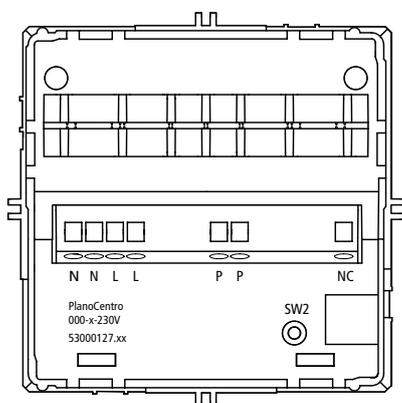
If the detection area covered by one detector is insufficient (larger rooms), then up to 10 detectors can be operated in parallel. The detectors are connected to each other via P-terminals.

Master/slave parallel connection

A detector is designated as a Master if it switches lighting. Brightness measurement and the setting of all parameters is only performed centrally with the Master. Push-button/switch are only lead to the Master. The Master switches the load. All other detectors are designated as Slaves. They only provide presence information.



Back of sensor part



Settings on PlanoCentro (figure above)

SW2 Push-button for presence test mode and reset

Technical data

| Presence detector | PlanoCentro 000-A-230V | |
|-----------------------------------------|---------------------------------------------|--------------------------------|
| detection angle | horizontal | 360° |
| Recommended installation height | 2.5 - 3.5 m | |
| Detection range | 3.5m installation height | 100 m ² (10 x 10 m) |
| Mains voltage | 230V ± 10%, 50Hz | |
| Upstream protection device: | 13 A | |
| Power consumption | 0.3 W | |
| P-button pulse length in automatic mode | < 70ms | |
| Parallel switching | 10 | |
| max. number of presence detectors | | |
| Connection type | Screwless terminals, 1x 2.5 mm ² | |
| Strip length | 10 - 11 mm | |
| Receiving | communication data | IR |
| | sending data | Radio 868 MHz |
| Ambient temperature | 0° - +50°C | |
| Storage temperature | -25° - +60°C | |
| Protection rating | IP 20 IP 40 (when fitted) | |
| Ceiling installation (false ceilings) | | |
| Installation type | PlanoFix E installation frame | |
| Ceiling cut out | 100 x 100 mm ± 1 mm | |
| Ceiling strength | up to approx. 26 mm | |

Installation types

The PlanoCentro is available in installation sets for ceiling mounting and flush-mounted installation. The housing conforms with the fire safety standard EN 60670-1 (glow wire tested 850°).

False ceiling installation (false ceilings) ①

The false ceiling installation is completed using a supplied installation frame into a ceiling cut out of 100 x 100 mm ②

Flush-mounted installation (set into concrete ceiling) ③

The PlanoCentro fits in the Agro/Kaiser flush-mounted junction box/ connection box 115 x 115 x 100 mm. The concrete installation of the junction box has to be done at the time of the building construction.

PlanoCover cover

A wide range of designs (colour, material and shape) allow the flat PlanoCentro presence detector to be harmoniously integrated in great number of architectural styles.

PlanoCovers are available in the standard colours of white, black or silver.

Individual covers in various shapes, colours and materials are available to suit the individual ambience of rooms and open up a wide range of opportunities to provide a particular look.

Accessories:

Management remote control SendoPro 868-A

The SendoPro management remote control is available for start-up, configuration and service. All parameters are easy to set remotely.

| Flush-mounted installation (concrete ceiling) | |
|-----------------------------------------------------------------------------------------|------------------------------------------|
| Installation type | PlanoFix U in flush-mounted junction box |
| Flush-mounted junction box, Agro/Kaiser | 115 x 115 x 100 mm 9908.01/1298-07 |
| PlanoFix U (Assembly plate) | Metal 118 x 118 mm |
| Item numbers | |
| PlanoCentro 000-EWH, false ceiling inst. set, white | 204 0 102 |
| PlanoCentro 000-EWH, false ceiling inst. set, black | 204 0 103 |
| PlanoCentro 000-EWH, false ceiling inst. set, silver | 204 0 104 |
| PlanoCentro 000-UWH, flush-mounted installation set, white (set into concrete ceiling) | 204 0 202 |
| PlanoCentro 000-UWH, flush-mounted installation set, black (set into concrete ceiling) | 204 0 203 |
| PlanoCentro 000-UWH, flush-mounted installation set, silver (set into concrete ceiling) | 204 0 204 |
| PlanoCentro 000-A-230V (spare part) | 204 0 000 |
| Management remote control SendoPro 868-A | 907 0 675 |
| PlanoCover EWH-112x112, white | 907 0 677 |
| PlanoCover EBK-112x112, black | 907 0 678 |
| PlanoCover ESR-112x112, silver | 907 0 679 |
| PlanoCover UWH-123x123, white | 907 0 680 |
| PlanoCover UBK-123x123, black | 907 0 681 |
| PlanoCover USR-123x123, silver | 907 0 682 |

CE declaration of conformity

This device complies with the protection regulations of the EMC directives 2014/30/EU and of the Low Voltage directive 2014/35/EU.

