

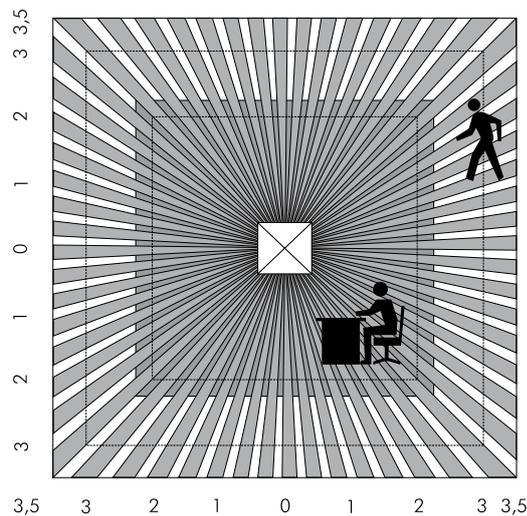
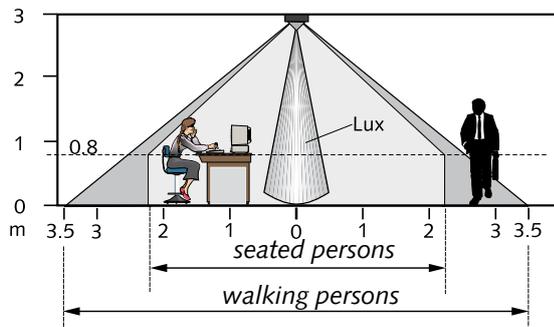
Presence Detector PresenceLight 360



PresenceLight 360 Product Features

- ◆ Passive infrared presence detector for ceiling mounting
- ◆ Square 360° detection range
- ◆ Automatic lighting control
- ◆ Mixed light measurement
- ◆ Protection class IP 54 for installation in damp zones
- ◆ Switched output for light (relay, 230V)
 - Lighting control with brightness threshold value and self-learning switch off delay time
 - Pulse function for staircase lighting timer
- ◆ Service remote control QuickSet plus (option)
- ◆ User remote control clic (option)

Detection Range (Mounting Height = 3,0m)



Seated Persons:

The values given refer to the restricted detection range for movements taking place at table height, i.e. approx. 0.80m above the floor. From a mounting height of > 3m, the sensitivity of the detector is limited, and more distinct movements are required for detection.

Walking Persons

For walking persons, the entire detection range is valid with a small tolerance in the fringe zone (+/- 0.5m).

Switched Output for «Light»

The switching behavior is controlled by presence and brightness. The contact closes in case of darkness **and** presence, and opens in case of brightness **or** absence.

The minimum switch off delay time (10s - 20min) and the desired brightness switching threshold (10 - 1500Lux) are adjustable. The switch off delay time automatically adapts to the occupant's behavior (self-learning characteristic), i.e. the unit is able to automatically extend the switch off delay time to max. 15 min or reduce it to the minimum set time.

Please note: The switch-off delay time does not change with a setting of 2 minutes or less. Optimum switching behaviour will be obtained when the switch-off delay time is controlled from the detector with settings of more than 2 minutes.

Pulse Function

In order to control existing staircase lighting timers, the switch off delay time can be set to "Pulse". In this position, the switched output for light generates a short pulse (duration 0.5s) every 10 seconds in case of presence and darkness.

Light Measurement

Brightness Measurement

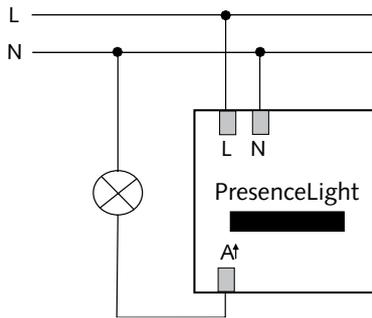
The PresenceLight 360 presence detector is equipped with a mixed light measurement. As the mixed light measurement is influenced by artificial light, the brightness for indirect lighting on the site of installation must not exceed 2000Lux (for brightness threshold > 200Lux).

If the brightness threshold value is set to "on", the brightness measurement is deactivated (no influence by brightness desired).

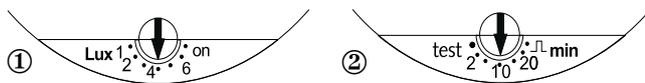
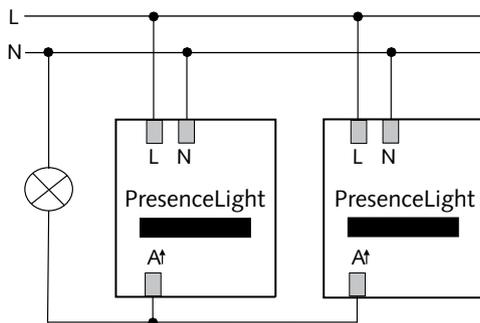
Suitable Lamps

The PresenceLight 360 presence detector is designed for use with fluorescent lights (FL/PL) as well as halogen/incandescent lights.

Schematic Wiring Diagram for Single Unit Operation



Schematic Wiring Diagram for Parallel Circuit Operation



Settings on PresenceLight 360

- ① Brightness threshold (Lux)
- ② Switch-off delay time for light, activation of pulse function, test operation setting

Technical Specifications for Presence Detector PresenceLight 360

Sensor module		PresenceLight 360
Detection range:	horizontal Vertical	360° 120°
Recommended mounting height (Mh)		2.0 m - 3.0 m
Maximum range		6 x 6 m (Mh 2.5 m) 8 x 8 m (Mh 3.5 m)
Mixed light control Light measurement deactivated		approx. 10 - 1500Lux „on“
Switch off delay time for light Short pulse		10 s - 20 min. 0.5 s „on“ / 10 s „off“
Switching contact		230V ± 10%, 50Hz
Max. switching capacity incandescent lamps, halogen		1400VA 1200W
Max. number of electronic ballasts*) A relay or contactor must be connected in case of more powerful devices		10x (1x 58W); 5x (2x58W) 16x (1x36W); 8x (2x36W) 16x (less than 36W)

*) Use of T5-FL: When using T5-FL lamps with a comparable wattage, the same number of electronic ballasts may be connected to the detector's switching contact as for the T8-FL. When using the 80W-FL, the number should be halved in comparison to the 58W-FL.

Location

Detection Range

The square detection ranges ensure a safe and simple planning. Please note that the detection range for seated persons and walking persons differ in their extension.

The recommended mounting height is 2,0m - 3,0m.

The sensitivity of the detector decreases with increasing mounting height. From a mounting height of 3m walking movements are required for detection, and the detection ranges of multiple detectors should overlap in their fringe zones.

M'height	seated persons	walking persons
2,0m	3,0m x 3,0m	4,5m x 4,5m
2,5m	4,0m x 4,0m	6,0m x 6,0m
3,0m	4,5m x 4,5m	7,0m x 7,0m
3,5m	- -	8,0m x 8,0m

Accessories

QuickSet plus Service Remote Control

For the start-up procedure, the QuickSet plus service remote control is available for the installation personnel or the technical service. It allows convenient remote adjustment of all potentiometer values. Manual adjustment of the potentiometers directly on the device remains possible at all times.

Surface Frame

A suitable frame for surface mounting is also available.

Mounting		
Mounting depth		40mm
Diameter		48mm
Mounting plate integral part		70 x 70mm
Terminals		Screws max. 2.5mm ²
Size of concealed housing (for flush-mounting)		1 (NIS,PMI)
Ambient temperature		-20° - 50°C
Degree of protection (installation with gasket set or surface-mounting frames)		IP54
Article numbers		
PresenceLight 360		200 0 000
Surface frame for PresenceLight		907 0 513
Gasket set IP54 for flush mounting		
Service remote control QuickSet plus		907 0 532
User remote control clic		907 0 515

⚡: This device complies with the protection regulations of the EMC directives 89/336/EWG and NSR EWG 73/23.