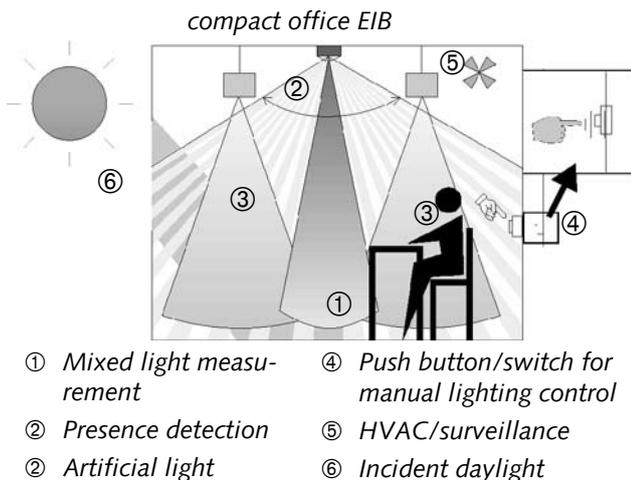


Presence detector compact office EIB



compact office EIB Product Features

- ◆ Passive infrared presence detector for EIB
- ◆ Square 360° detection range, for ceiling mounting
- ◆ Control of one or two lighting groups
- ◆ Switching or constant light control
- ◆ Mixed light measurement
- ◆ Choice of fully or semi-automatic lighting control
- ◆ Output for presence with on and off switching delay
- ◆ Output for surveillance with cyclical detector object
- ◆ Output for brightness (LUX)
- ◆ Integral scene component with 2 scenes
- ◆ Remotely parameterizable via ETS
- ◆ Parallel circuit operation of several presence detectors (master-slave, master-master) without logic components
- ◆ QuickSet service remote control (optional)
- ◆ clic user remote control (optional)



- | | |
|---------------------------|--|
| ① Mixed light measurement | ④ Push button/switch for manual lighting control |
| ② Presence detection | ⑤ HVAC/surveillance |
| ③ Artificial light | ⑥ Incident daylight |

Application

For a detailed description of the functions, see the datasheet "Application description for presence detector compact office EIB"

Switching or control of two lighting groups

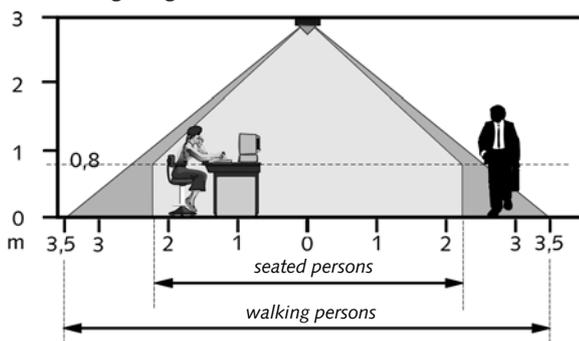
The compact office EIB switches or controls one or two lighting groups. In switching mode (ON/OFF) it controls switch actuators. An ON telegram is sent if it is dark **and** someone is present. An OFF telegram is sent if it is light **or** no one is present.

In controlled operation (constant light control) switch/dimming actuators or dimming actuators are controlled. If it is dark and persons are present, the artificial light is controlled at a constant brightness level depending on the daylight.

The second lighting group is switched or controlled with an adjustable brightness difference.

Detection range in elevation view

(Mounting height 3.0m)



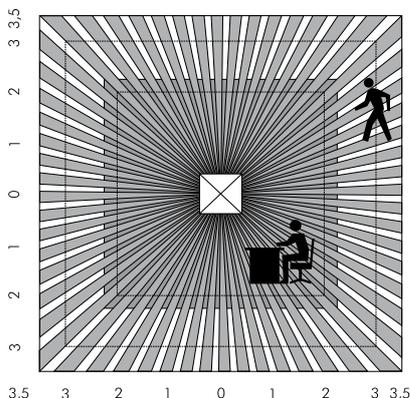
Location

Detection Range

The square detection range ensures safe and simple planning. Connected in parallel, it allows the entire room to be covered. Please note the difference in size of the detection ranges for seated and walking persons.

The recommended mounting height is 2 m - 3 m. 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. Maximum range approx. 15m

The detection range in elevation view.



Mount. ht.	seated persons	walking persons
2,0m	3,0m x 3,0m	4,5m x 4,5m ± 0,5m
2,5m	4,0m x 4,0m	6,0m x 6,0m ± 0,5m
3,0m	4,5m x 4,5m	7,0m x 7,0m ± 1,0m
3,5m	- -	8,0m x 8,0m ± 1,0m

Seated Persons:

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

Walking Persons:

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

Technical data compact office EIB

Sensor	compact office EIB
Detection range: horizontal vertical	360° 120°
Recommended mounting height	2.0m - 3.0m
Maximum range	6 x 6m (Mh 2.5m) 8 x 8m (Mh 3.5m)
Parameter setting	
All settings remotely parameterizable	see datasheet „Application description for presence detector compact office EIB“
Mixed light measurement light measurement deactivated	10Lux – 1500Lux „on“
Switch-off time delay „light“	30sec. – 20min.
Switch-off time delay „presence“	30sec. – 120min.
Switch-on time delay „presence“	0sec. – 30min.

Brightness Measurement

The compact office EIB incorporates a mixed light measurement system which is sensitive to artificial light.

Switching: with indirect lighting, the artificial light at the detector's mounting location must not exceed 2000 Lux (brightness threshold >200 Lux). If the brightness threshold is set to "on", the brightness measuring is switched off (no brightness factor desired).

Constant light control: the detector must be placed in a position where it only detects the artificial light which it controls itself. Artificial light controlled by other detectors or manually operated working lights influence the detector's brightness measurement. The point where the detector is installed becomes the reference for the lighting level in the room. Artificial light should not be allowed to fall directly on the detector.

Suitable Lamps

The compact office EIB is designed for use with fluorescent lights (FL/PL) as well as halogen/incandescent lights.

Accessories

Service remote control QuickSet plus

QuickSet plus provides an efficient means of determining desired brightness levels, taking factors such as furnishings, mounting site, incident light, etc. into effect.

clik user remote control

An infrared remote control is available for the user enabling individual switching and dimming of up to two lighting groups. The user can choose between two scenes. Adjoining groups can be demarcated from each other. If desired, telegrams can be sent to control other bus users such as sunblind actuators.

Surface Frame

A suitable frame for surface mounting is also available.

Mounting	
Mounting plate	70x70mm
Connection terminal	EIB
Ambient temperature	0 – 50°
Protection class	IP40
Article numbers	
compact office EIB	201 9 200
• Mounting plate compact office EIB	
Surface frame compact office	907 0 514
Service remote control QuickSet plus	907 0 532
User remote control clic	907 0 515

Declaration of CE conformity

This device complies with the protection regulations of the EMC directives 89/336/EEC, and of the amending directives 92/31/EEC and 93/68/EEC.



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