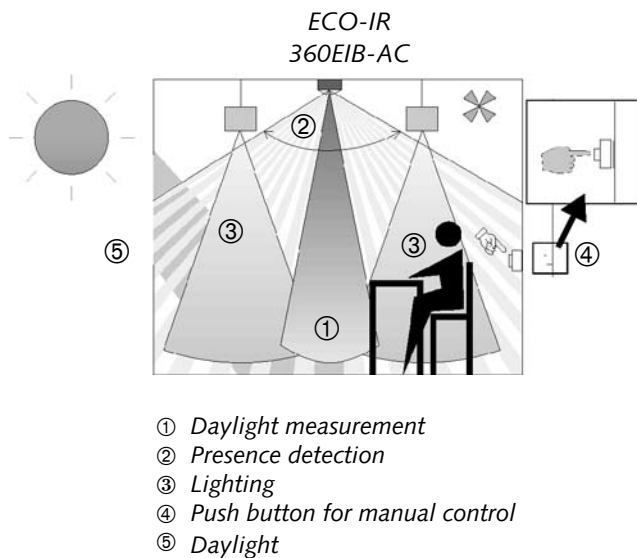
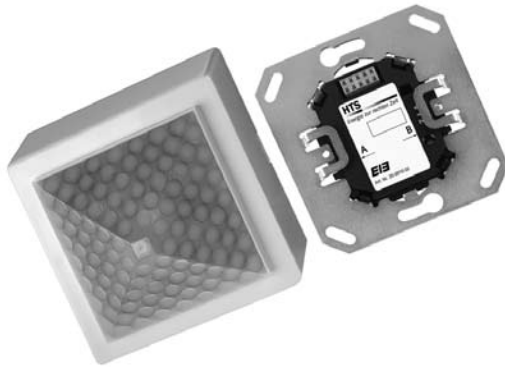
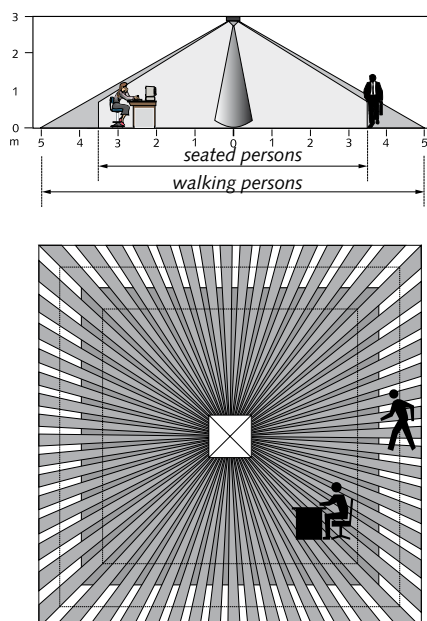


Presence Detector ECO-IR 360EIB-AC



Detection range



ECO-IR 360EIB-AC Product Features

- ◆ Passive infrared presence detector for EIB
- ◆ Square 360° detection range for ceiling mounting
- ◆ True daylight measurement
- ◆ Presence and daylight-dependent control for lighting and HVAC systems
- ◆ Optional fully or semi-automatic operation of the lighting control
- ◆ Direct integration of push buttons for manual lighting control (push button input)
- ◆ Remotely parametrizable via ETS or adjustment using a potentiometer on the device
- ◆ Adaptive (self-learning) behavior
- ◆ Parallel connection of multiple presence detectors (master-slave) without any logic components
- ◆ Mechanical safety lock

Application

For a detailed functional description please refer to the "HTS EIB-Product Database" specification sheet.

True Daylight Measurement

The ECO-IR 360EIB-AC features true daylight measurement distinguishing daylight from artificial light. The true daylight measurement permanently measures the present daylight even if artificial lighting is switched on.

Suitable Lighting

The true daylight measurement is designed for use with fluorescent lights (FL/PL). Incandescent or halogen lights distort the daylight measurement and may disturb the function of the detector.

Presence Detection / Mounting

The ECO-IR 360EIB-AC reliably detects seated persons as well as walking persons (see side view (top) and top view (bottom) of the detection range in the figure on the left).

The ranges in which seated persons and walking persons are detected differ in their expansion. In case of seated persons, the values given refer to the restricted detection range for movements taking place at table height.

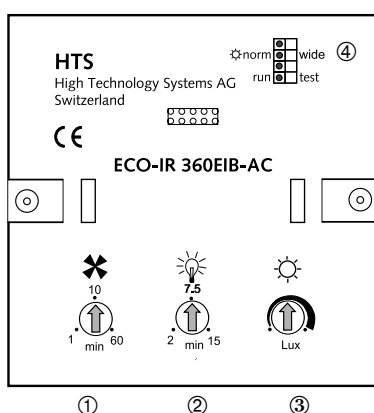
When using multiple detectors (e.g. connected in parallel to cover large offices), sufficient overlap of the individual detection ranges should be ensured.

The sensitivity of the detector decreases with increasing mounting height. From a mounting height of 4m walking movements are required for detection. The maximum range is approx. 15m.

The recommended mounting height is 2,0m – 3,5m.

M.height	seated persons	walking persons
2,0m	4,5m x 4,5m	6,0m x 6,0m ± 0.5m
2,5m	6,0m x 6,0m	8,0m x 8,0m ± 0.5m
3,0m	7,0m x 7,0m	9,0m x 9,0m ± 0.5m
3,5m	8,0m x 8,0m	10m x 10m ± 1m
4,0m	- - - - -	11m x 11m ± 1m

Sensor Module – Rear Side



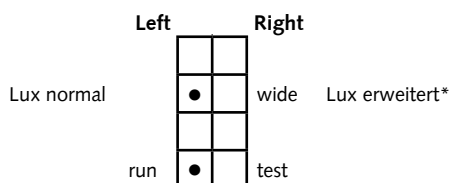
Settings on the ECO-IR 360EIB-AC (see figure on the left)

All settings are remotely parametrizable via ETS.
The use of local settings must be released by the application.

- 1) Switch off delay for HVAC (minutes)
- 2) Switch off delay for light (minutes)
- 3) Brightness threshold (lux)*
- 4) DIP switches:
The DIP switches serve to select the operation mode and to extend the brightness threshold value.

* Lux scale for low thresholds extended, light measurement deactivated on right limit stop.

DIP Switches



Accessories

The unit can be flush-mounted into suspended ceilings using the QuickFix mounting kit.

A suitable surface frame for surface mounting is also available

Technical Specifications for Presence Detector ECO-IR 360EIB-AC



Sensor module	ECO-IR 360EIB-AC
Detection range:	horizontal 360° vertical 120°
Recommended mounting height (Mh)	approx. 2.0m - 3.5m
Parameter settings	
All settings are remotely parametrizable, the setting range of the potentiometer is limited	refer to „HTS EIB-Product Database“ specification sheet
Daylight control „standard“ „extended“	approx. 100 - 1600Lux approx. 25 - 200Lux
Switch off delay for light	30s - 20min
Switch off delay for HVAC	30s - 60min
Ambient temperature	0° - 45°C
Degree of protection	IP 40

Bus coupling unit	HTS EIB bus coupling unit
Connections: screwless bus terminal	0,6...0,8mm single wire
Dimensions (L x W x D)	70 x 70 x 33mm
Ambient temperature	0° - 45°C
Size of concealed housing (for flush-mounting)	1 (NIS, PMI)
Article numbers	
ECO-IR 360EIB-AC sensor module	202 9 201
HTS EIB bus coupling unit	907 0 524

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This device complies with the protection regulations of the EMC directives 89/3/EEG and of the amending directives 92/31/EEC and 93/68/EEC.