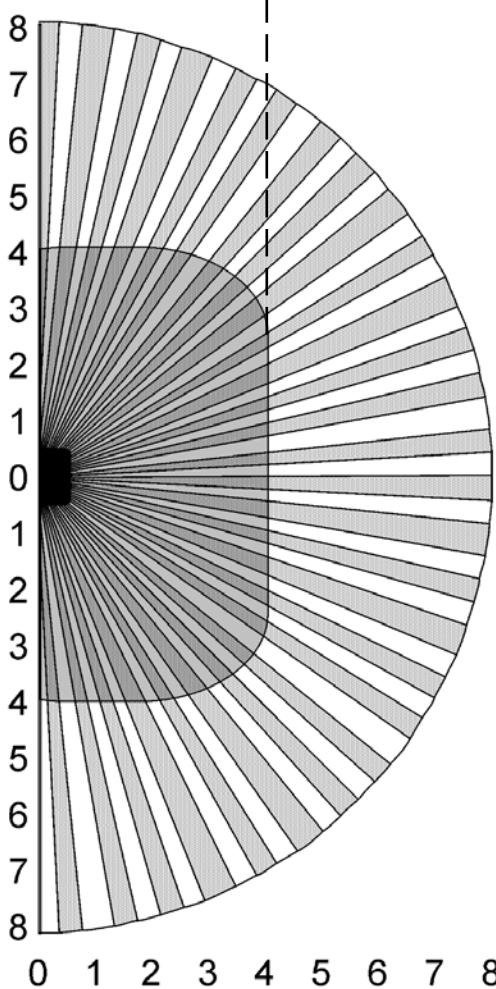
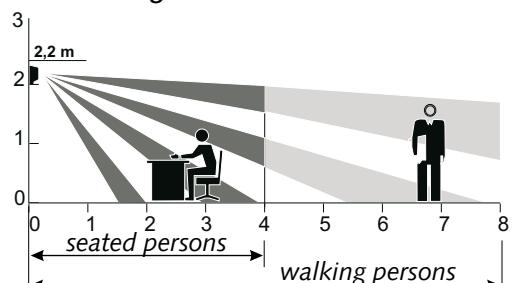


Presence Detector ECO-IR 180EIB-AC



Detection Range



ECO-IR 180EIB-AC Product Features

- ◆ Passive infrared presence detector for EIB
- ◆ 180° detection range for wall-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 (trigger 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 180EIB-AC features true daylight measurement distinguishing daylight from artificial light. The true daylight measurement permanently measures the present daylight even if artificial light 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.

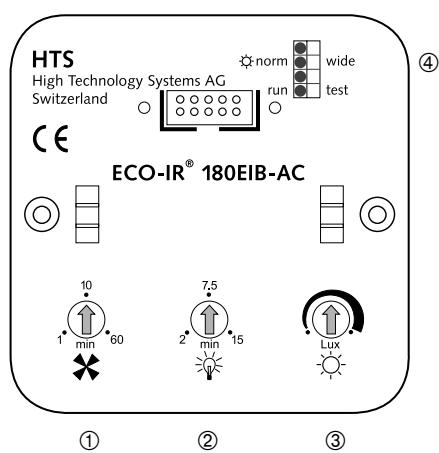
Presence Detection / Mounting

The ECO-IR 180EIB-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 recommended mounting height is 2.2m. Mounting the device in the height of the switches is not recommended (possible obstacles in the detection range and vandalism).

Seated persons are reliably detected within a range of 4 x 8m. As the ECO-IR 180EIB-AC's "view" into the room is virtually horizontal its range is very large, only the sensitivity decreases with increasing distance. For walking persons, the detection range extends to a radius of approx. 8m. Directly beneath the sensor the presence detection is limited.

In corridors and transit zones the ECO-IR 180EIB-AC can be mounted on the ceiling with the result that the otherwise horizontal detection range now extends into the room vertically.

Sensor Module – Rear Side



Settings on the ECO-IR 180EIB-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)

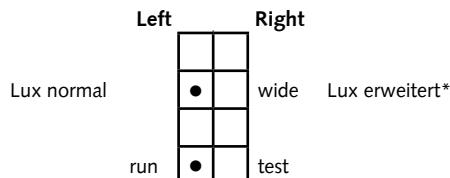
3) Brightness threshold (lux)*

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

For surface mounting a suitable surface mount frame is available.

Technical Specifications for Presence Detector ECO-IR 180EIB-AC

Sensor module	ECO-IR 180EIB-AC
Detection range: horizontal	180°
Recommended mounting height (Mh)	1.6m - 2.2m
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 Busankoppler EIB
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 180EIB-AC sensor module	202 9 250
HTS EIB bus coupling unit	907 0 524