KNX Micro Presence Detector 360° [PSE-PMC0x.01S]

KNX Micro Presence Detector 360° with integrated temperature sensor for precise room monitoring. The small and discreet Presence Detector detects movement within a diameter of 7 metres. Suitable for installation in suspended ceilings. Equipped with KNX Data Secure and extensive configuration options.

PSE-PMC01.01S

Light channel

The light channel can be freely configured. For example, the follow-up times for "day" and "night" as well as the locking and unlocking behaviour can be set individually.

HVAC channel

Compared to the light channel, the separate HVAC channel (heating, ventilation, air conditioning) has adjustable monitoring time slots that can be used to monitor the presence in the room. For example, to control the ventilation of a room.

Alarm/Message channel

The alarm/message channel is used to detect movements in the event of absence. The monitoring can be activated via an object. By activating an interference/movement filter, observation time windows can be set up to avoid false alarms or notifications caused by disturbances or brief movements.

Fully automatic, half automatic, manual mode

As a "fully automatic" device, the detector switches on when a movement is detected and switches off again after the end of presence and the set follow-up time. In "half automatic" mode, the light must be switched on manually via an object; it switches off automatically after the end of presence and the follow-up time. Regardless of the operating mode, extensive manual operation is possible at any time via the objects "external button short" and "external button long".

Temperature sensor

When the temperature sensor is activated, the room temperature can be sent to the bus and used, for example, for heating control. The sending behaviour of the measured value as well as a correction value can be set.

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Status 11/2025

Brightness sensor

With the help of the integrated brightness sensor, different switch-on thresholds can be set for "Day" and "Night".

Logic

Four logics can be activated with the functions AND, OR, XOR. Each logic can be linked to up to two internal and up to four external 1-bit objects. Switching commands, scenes, values or 2-bit priority objects can be sent as output objects.

Scenes

8 scenes are available to the detector. Each scene can be assigned predefined functions for the light channel.

KNX Secure

The device supports secure commissioning in KNX installations.

Updateable

If necessary, the device can be updated via the "MDT Firmware Update App".

Long frame support

The device supports "Long Frames" (longer telegrams). These contain more user data per telegram, which significantly reduces programming time with the ETS.