KNX presence detector mini with measurement of temperature and humidity, Universal, Secure, IP 44, 3.00 m, black



Reference number:	33900 1S DE
EAN/GTIN:	4011377336797
Color:	black
Material:	plastic

new
Degree of protection IP44 is ensured.

ELEKTROGERÄTE RÜCKNAHME

ETS product family: Physical sensors
Product type: Movement

Intended use
- Operation in KNX system
- Control of lighting, room thermostats and other electrical loads
- Measurement of room temperature
- Measurement of room humidity
- Ceiling installation in interiors and exteriors
- Clamp mounting in suspended ceilings
- Ceiling installation on fixed ceilings in flush box with dimensions according to DIN 49073 with flush mounting set (ref.-no.: PMM-UP-SET-..)
- Surface-mounted ceiling installation with surface mounting set (ref.-no.: PMM-AP-SET-..)

Product characteristics
- Integrated bus coupling unit
- 3 PIR sensors
- PIR sensors can be evaluated separately
- Detection field 360°
- Integrated brightness sensor
- Brightness sensor function with 3 limiting values
- Internal temperature sensor
- Integrated humidity sensor
- Deployed as presence detector, motion detector, or for alert operation
- Output functions: Switching, staircase lighting function, switching with forced position, value transmitter, light scene extension, operating mode setting for room temperature controller
- Extension of the detection area by way of operating several devices as main unit or extension unit
- Status LED: Flashes during motion detection; depending on programming in normal operation or only during the walking test mode
- 5 function blocks for motion detection each with 2 outputs
- Function blocks switchable, e.g. for day/night operation
- Daylight-dependent light control with max. 3 channels, setpoint adjustment during operation, separate configuration of dimming-up, control and dimming-down phase
- Light control can be combined with presence detector function
- Calculation of dew point temperature
- Orientation LED

Motion detector – lighting
- Motion detection for passageways in buildings

– Switch on: Motion detection and brightness threshold not reached
– Switch off: No motion in the detection field and run-on time elapsed

After reacting and switching on, the motion detection works independently of the brightness.

Presence detector – lighting
– Detection of the smallest motions e.g. at a workplace for detecting the presence of persons
– Switch off: No motion in the detection field and run-on time elapsed or brightness threshold exceeded

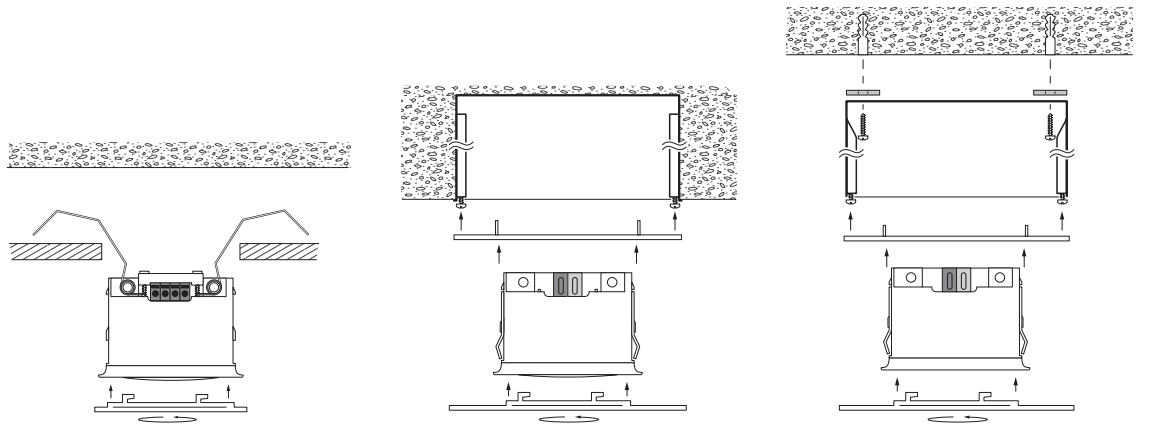
Presence detector – monitoring (monitoring / alarm / signalling mode)
– Brightness-independent detection of motions in the detection field
– Switch on: After detection of an adjustable number of motions within the set monitoring period

Spare part:
Push-on cover ref.-no.: 3361-1M-DB

Technical data

Ambient temperature:	-25 ... +55 °C
Storage/transport temperature:	-25 ... +70 °C
Relative humidity:	10 ... 100 % (no condensation)
Protection class:	III
Degree of protection:	IP44
Motion detection	
Detection angle:	360°
Detection range:	depending on the direction of movement
Brightness sensor	
Measuring range:	10 ... 2,000 lx
Accuracy (> 80 lx):	± 20 %
Accuracy (≤ 80 lx):	± 10 lx
Temperature sensor	
Measuring range:	approx. -20 ... +55 °C
Accuracy:	± 1 K
Humidity sensor	
Measuring range:	10 ... 95 % relative humidity (r. h.)
Accuracy:	≤ 3.5 %
In the range of 30 ... 80 % and 17 ... 24 °C, the accuracy is ≤ 2.5 %.	
Dimensions	
Dimensions (Ø x H):	53.5 x 38 mm (with design ring)
Ceiling cut-out (Ø x D):	44 x 35 mm
KNX	
KNX medium:	TP 256
Commissioning mode:	S-mode
Rated voltage KNX:	DC 21 ... 32 V SELV
Current consumption KNX:	5 ... 15 mA
Connection bus:	connection terminal

Assembly



ALBRECHT JUNG GMBH & CO. KG | Volmestraße 1 | 58579 Schalksmühle | GERMANY 02/2023