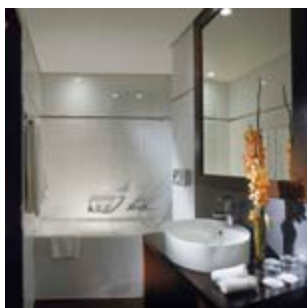




Mini-Occupancy detector LUXOMAT® PD9 range – Saving energy made easy

- The small member in our family of presence detectors with only 22 mm Ø
- **Application examples:** offices, conference rooms, hospitals, galleries, nursery schools, bathrooms etc.
- Remote controllable Master units
- The connection of a limited number of slaves is possible
- Dim version
- Available in **KNX/EIB, LON or DALI/DSI**
- Warehouse version for mounting at 10 m
- **IP65 protection with PD9-M-SDB**
- Range 10 m Ø
- The detection area can be altered by using the included blinds
- Connection of sensor and power supply by means of telephone plug RJ11
- Cover ring in white, black or silver

Example: Energy and environmental balance

Toilet lighting with PD9			
Mode / bulb	4 light fixtures 4 x 14 W T5		Savings
	with D	without D	
Consumption in kWh / year with an average life span of 8000 h	56 kWh	448 kWh	392 kWh
CO ₂ emission reduction / year			196 kg*
Also available trees for CO ₂ reduction			7**
Costs per year at 0.15 € / kWh	8,40 €	67,20 €	58,80 €

*0.5 kg CO₂ for generating 1 kWh with average energy mix
 **1 tree absorbs approx. 20 kg CO₂ / year

without D (motion detector) = permanent light (mean total of the time lamps are switched on approx. 8 h in 24 h)

with D = light only on with movement (mean total of the time lamps are switched on approx. 1 h in 24 h)

Technical data PD9

Adjustments by remote control or power supply (PD9-1C)

Power supply	230 V~ 230 V~ ± 10 %; 50 - 60 Hz
Switching channel	
• PD9-1C/-DIGI	1000 W, cos φ = 1; 500 VA, cos φ = 0.5
• PD9-M-1C/-M-DIM	2300 W, cos φ = 1; 1150 W, cos φ = 0.5

Range	
• PD9-DIGI	max. 3 m Ø
• PD9	max. 10 m Ø
• PD9-GH	max. 5,40 m Ø

Detection area	360°
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Time settings	
• PD9-DIGI	Impulse or 30 sec. - 30 min.
• PD9-1C/-M-1C	Impulse or 15 sec. - 30 min.
• PD9-M-DIM	Impulse or 1 min. - 30 min.

Photo electric switch (except PD9-DIGI)	10 - 2000 Lux, adjustable with IR-PD9 or power supply
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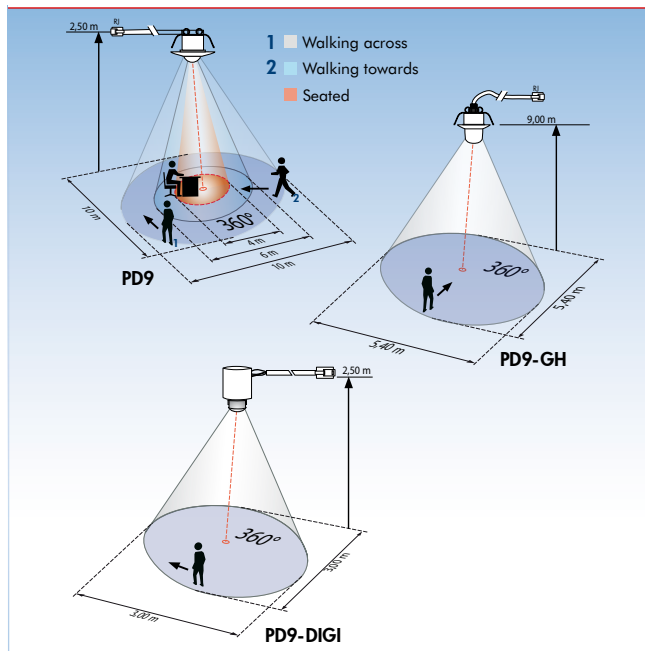
Protection/class	
• PD9-DIGI	IP20 / III / CE
• PD9	IP20 / II / CE
• PD9-SDB	Sensor part IP65, power supply IP20 / II / CE

Dimensions detector	
• PD9-DIGI	Ø 18 mm
• PD9	Ø 45 mm

Gehäuse aus hochwertigem UV-beständigem Polycarbonat

Ambient temperature	-25 °C to +50 °C
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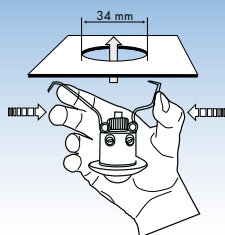
Detection area PD9



Description

Type	Colour	Part Number
PD9-DIGI-FC	–	92917
PD9-1C-FC	white	92902
PD9-1C-FC	silver	92903
PD9-1C-GH-FC	white	92934
PD9-1C-GH-FC	silver	92935
PD9-M-1C-FC (Master)	white	92900
PD9-M-1C-FC (Master)	silver	92901
PD9-M-1C-GH-FC	white	92923
PD9-M-1C-GH-FC	silver	92925
PD9-M-1C-SDB-IP65-FC - IP65	white	92912
PD9-M-1C-SDB-IP65-FC - IP65	silver	92913
PD9-S-SDB-FC - IP65	white*	92915
PD9-M-1C-SDB-IP65-GH-FC	white	92931
PD9-M-1C-SDB-IP65-GH-FC	silver	92932
PD9-S-SDB-FC	white	92933
PD9-M-DIM-FC (Master-DIM)	white	92910
PD9-M-DIM-FC (Master-DIM)	silver	92911
PD9-M-DIM-GH-FC	white	92924
PD9-M-DIM-GH-FC	silver	92927
PD9-M-DIM+HVAC-FC	white	92973
PD9-M-DALI/DSI-FC	white*	92920
PD9-M-DALI/DSI-GH-FC	white	92938
PD9-S-FC (Slave)	white	92905
PD9-S-FC (Slave)	silver	92906
PD9-S-GH-FC	white	92928
PD9-S-GH-FC	silver	92929
PD9-DIM-KNX/EIB-FC	white	92437
PD9-LON-FC	white*	92930
Remote control IR-PD9	grey	92201
Remote control IR-PDim	grey	92200

* silver on request, black also available

Installation of the PD9 into ceilings


Make a circular opening of diameter max. 34 mm into the ceiling. Having connected up the cables in accordance with regulations, the occupancy detector to be connected to the power supply by means of the RJ11 plug and the detector is inserted into the opening as shown below and fixed into position with the assistance of the spring clips.

Mini-Occupancy detector-Programm PD9

PD9-DIGI-FC		Mini-Occupancy detector for indoor use designed specifically for installation in light fittings with circular detection area and one channel to switch the lighting.
PD9-1C-FC		Mini-Occupancy detector without daylight integration - adjustments manually by potentiometers with circular detection area and a switching channel with a powerful relay for activating high-powered lamps.
PD9-M-1C-FC PD9-S-FC		The master may be combined as a switch with the remotely controlled mini presence detectors' slave version with daylight integration, round detection footprints and a switching channel with a powerful relay for activating high-powered lamps.
PD9-M-1C-SDB-IP65-FC/ PD9-S-SDB-FC		Mini-Presence detector with daylight integration that may be used as the master in combination with the slave version that has been specially designed for use in wet rooms. This product comes with an electrically separated sensor component, a longer power component cable and IP65 protection. Otherwise it possesses the same features as the PD9-M-FC.
PD9-M-DIM-FC		Master with dimmer for use in conjunction with the slave version - remotely-controlled mini presence detector with daylight integration as a comfortable and low-cost constant light control. One switching channel and one dimming output with 1-10 VDC interface.
PD9 for BUS system		Mini-Presence detector with daylight integration - special versions for networking in KNX, LON and DALI/DSI applications.
PD9-GH		Mini-Presence detector for inside use with circular detection area and approx. 5.40 m range specially for warehouses, wherever a great mounting height is necessary.



The small detector for large savings!



Energy savings
cost reduction
environmental protection