EPV
Energy Efficiency
Made in Germany

ecos
Occupancy Sensors 230V

PM/230V/5, PM/230V/12
PM/230V/5T, PM/230V/12T
PM/230V/5L, PM/230V/12L

EN

■ Technical Data

Power Supply	Ambient Temperature	IP	Connection	Switching capacity (built-in relay)
230 V, 50 Hz, max. 23 mA	0 – 50°C (Indoor)	41	0.08 -2.5 mm² AWG 28 - 12	2300 VA continuous or 800 A/200 μs inrush current, whichever applies first.

■ Types & Functions

	PM/230V/5 No. 101918	PM/230V/12 No. 102052	PM/230V/5T No. 101920	PM/230V/12T No. 102053	PM/230V/5L No. 101919	PM/230V/12L No. 102054
Product						
Maximum Mounting height	5 m	12 m	5 m	12 m	5 m	12 m
Delay Time	10 minutes		10 seconds - 14 minutes adjustable			
Twilight Setting	No light sensor. Motion Sensing always active regardless of ambient light.				100-1000 Lux adjustable	

■ Settings (depending on model)

Setting the correct delay time
When switching fluorescent lamps, please set the delay time to approx. 10 minutes or more (recommendation by lamp manufacturers).

Setting the correct twilight set point
Do not mount the sensor in the direct light of the switched lamps.

+ Shifts the twilight threshold to the „bright" direction, i.e. with increasing daylight the artificial light is switched off later.

- Shifts the twilight threshold to the „dark" direction, i.e. with increasing daylight the artificial light is switched off earlier.

The artificial light should switch off when total level of daylight and artificial light clearly exceeds the artificial light. Procedure:
Darken the room. Switch on the artificial light and set the delay time at the occupancy sensor to minimum.
Turn the setting knob „twilight setting" from „+" to „-" until the light turns off. Turn back slowly to „+" direction until the light switches on again.
This is the optimum setting and ensures that the artificial lighting value is reached but the sensor does not turn off due to the artificial light alone.
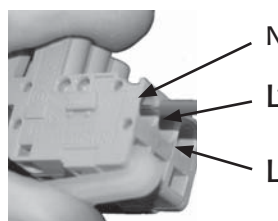Finish the adjustment by increasing the delay time to the desired length.
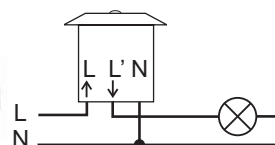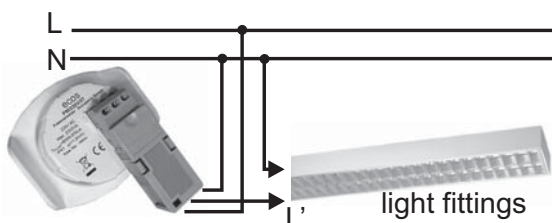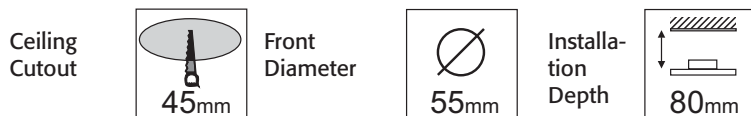
Observation Area

- The sensor covers a rectangular area on the floor.
- A rectangular symbol on the front of the sensor indicates the orientation of the area.
- The size of this observation area can be reduced by pulling out the shading ring around the sensor lens (not applicable for 12m types).
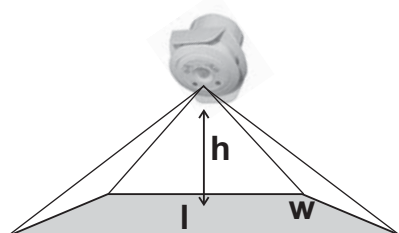
5m types		
height (m)	width (m)	length (m)
2.0	4.53	5.65
2.2	4.98	6.21
2.3	5.21	6.50
2.5	5.66	7.06
2.8	6.34	7.91
2.9	6.57	8.19
3.0	6.79	8.47
3.1	7.02	8.75
3.2 - 5.0	7.24	9.04

12m types		
height (m)	width (m)	length (m)
4.0	8.28	9.88
4.5	9.32	11.12
5.0	10.36	12.34
5.5	11.40	13.58
6.0	12.42	14.80
6.5	13.46	16.06
7.0	14.50	17.28
7.5	15.52	18.52
8 - 12m	12	12

Installation Options & Accessories

Ceiling Cutout **45**mm

Front Diameter **55**mm

Installation Depth **80**mm

light fittings

L
N
L'

N
L'
L

Warning!
230V exposure.
Installation by qualified electricians only.

Mounting Options

Supplied with each sensor	Product-No. 101683	Product-No. 101472
Flush mounting with standard clip. Standard installation in suspended partitioned ceilings where the standard clip can be placed onto the sensor from behind (e.g. ceiling tiles). 45 mm ceiling cutout.	Flush mounting with spring clip. Applicable when the standard clip can not be placed onto the rear of the sensor, e.g. plasterboard or wooden ceilings. 60 mm cutout.	Surface mounting enclosure. Applicable for retrofits on concrete ceilings. Accessories for concrete canister mounting also available on request.

Connection Accessories

Supplied with each sensor	Product-No. 101884	Plug-Connection-System	Product-No. 100891
WAGO plug sets. *EPV*-Wago plug sets with strain relief & quick-fix accessories.	Wiring Adapter. 6 screw terminals, strain relief, covers (In: L,N,PE Out: L',N,PE) Also available for flat wiring (instead of circular flex cable).	Fully pre-wired plug system (ADELS / WIELAND / WINSTA). Please contact us for individual quotes.	WAGO plug. Standalone WAGO plug without strain relief, for sensor installation in surface mounting enclosure or in light fittings.