EPV
Energy Efficiency
Made in Germany

ecos

Occupancy Sensors 230V
PM/230V/5LSa DIM
PM/230V/5LSb DIM

EN

Technical Data

Power Supply	Ambient Temperature	IP	Connection	Switching capacity (built-in relay)	1-10V Interface
230 V, 50 Hz, max. 23 mA (ca. 5 W)	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.	max. 10 mA passiv

Types & Functions

	PM/230V/5LSa No. 101921	PM/230V/5LSb No. 101922
Product		
Maximum Mounting Height	5m	
Delay Time	10 seconds - 14 minutes	
Dimming Set-point Above this light level the dimming begins.	100-1000 Lux adjustable. Lights turn off after they have been in max dimming position for the delay time.	100-1000 Lux adjustable Lights stay in max. dimming position as long as there is motion detected.

Settings

Setting the correct delay time

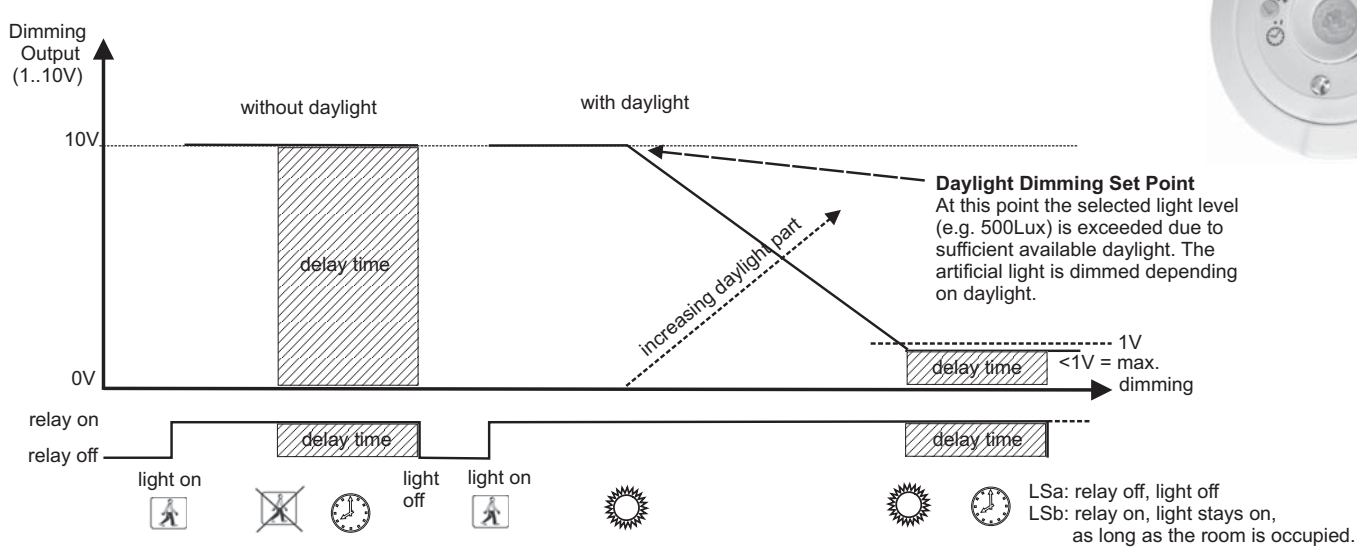
When switching fluorescent lamps, please set the delay time to approx. 10 minutes or more (recommendation by lamp manufacturers).

Setting the correct dimming set point

+ Shifts the dimming set point to the „bright" direction, i.e. with increasing daylight the artificial light is dimming later.
- Shifts the dimming set point to the „dark" direction, i.e. with increasing daylight the artificial light is dimming earlier.

Procedure for setting the optimum dimming set point:
Darken the room. Switch on the artificial light. Turn the potentiometer knob „twilight setting" from „+" to „-" until the light begins to dim. Turn back slowly to „+" direction until the lights reach max. brightness again (if unsure measure the 1-10V voltage level at the ballasts, it should be 10V now).
This setting ensures that the sensor does not dim when only the artificial light is present.

Do not mount the sensor in the direct light of the switched lamps.

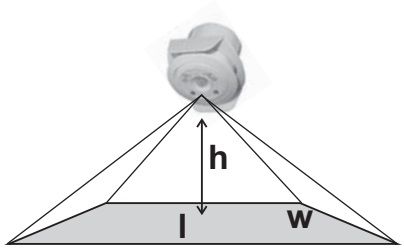


EPV Electronics GmbH • Sedanstr. 18 • 58507 Lüdenscheid • Germany • Tel.: +49 2351 6583000
info@EPVelectronics.com • www.EPVelectronics.com

EPV
Energy Efficiency
Made in Germany

Observation Area

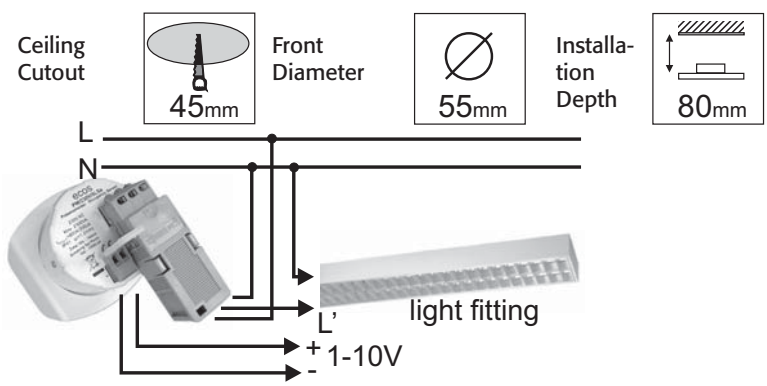
- The sensor covers a rectangular area on the floor.
- A rectangular symbol on the front of the sensor indicates the orientation of the area.
- The size of this observation area can be reduced by pulling out the shading ring around the sensor lens (not applicable for 10m types).

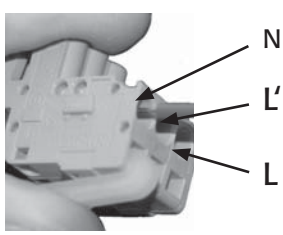


5m types		
height (m)	width (m)	length (m)
1.9	4,3	5,37
2	4,53	5,65
2,1	4,75	5,93
2,2	4,98	6,21
2,3	5,21	6,5
2,4	5,43	6,78
2,5	5,66	7,06
2,6	5,89	7,34
2,7	6,11	7,62
2,8	6,34	7,91
2,9	6,57	8,19
3	6,79	8,47
3,1	7,02	8,75
3,2 - 5,0	7,24	9,04

10m types		
height (m)	width (m)	length (m)
3,3	7,92	9,9
3,4	8,16	10,2
3,5	8,4	10,5
3,6	8,64	10,8
3,7	8,88	11,1
3,8	9,12	11,4
3,9	9,36	11,7
4	9,6	12
4,25	10,2	12,75
4,5	10,8	13,5
4,75	11,4	14,25
5	12	15
5,25	12,6	15,75
5,5	13,2	15,75
5,75	13,8	15,75
6	14,4	15,75
6,25 - 10m	15	15,75

Installation Options & Accessories





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

Mounting Options

Supplied with each sensor

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). 45mm ceiling cutout.

Product-No. 101683

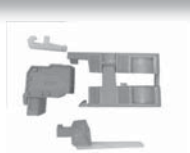
Flush mounting with spring clip
Applicable when the standard clip can not be placed onto the rear of the sensor, e.g. plasterboard or wooden ceilings. 60mm cutout.

Product-No. 101472

Surface mounting enclosure
Applicable for retrofits on concrete ceilings.
Accessories for concrete canister mounting also available on request.

230V occupancy sensors require a connector plug. Please choose one of the options below.

Connection Accessories



Product-No. 101426

WAGO plug set
EPV-Wago plug set with strain relief, quick-fix accessories and 1-10V plug.

Product-No. 101884

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).

Plug-Connection-System

Fully pre-wired plug system (ADELS / WIELAND / WINSTA)
Please contact us for individual quotes.

Product-No. 100891+101269

230V + 1-10V plugs
Standalone plugs without strain relief, for sensor installation in surface mounting enclosure or in light fittings.

EPV Electronics GmbH • Sedanstr. 18 • 58507 Lüdenscheid • Germany • Tel.: +49 2351 6583000
info@EPVelectronics.com • www.EPVelectronics.com