

ecos

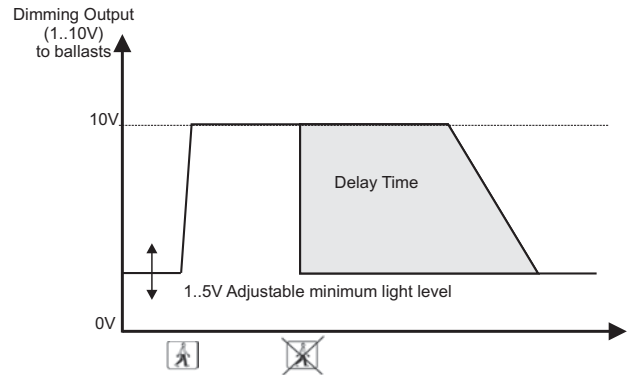
Occupancy Sensors

PM/230V/5K, PM/230V/12K
PM/24V/5K, PM/24V/12K

EN

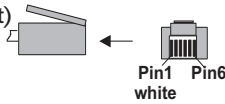
Application

Occupancy Based Dimming means, that in case of occupancy the lights will dimm up smoothly from preselected minimum light level to maximum light level within 1 second. Once the area is vacant and the delay time has elapsed the lights will dimm down to the preselected minimum light level within 25 seconds. Typical application: department stores, parking garages and halls. Available in 230V and 24V versions.



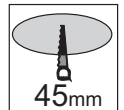
Technical Data

	Power Supply	Connection	1-10V Interface	Ambient Temperature	IP
230V	230 V, 50 Hz, max. 15 mA (ca. 3 W)	0.08 -2.5 mm ² AWG 28 - 12	max. 10 mA passive	0 – 50°C (Indoor)	41
24V	15-28 V AC oder DC 8 mA at 24 V (0.2 W)	RJ12 Pin 1: Power Supply Pin 2: 0 V Pin 3: SLAVE (input) Pin 4: vacant Pin 5: + 1-10V Pin 6: vacant			



Mounting Info

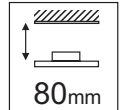
Ceiling Cutout



Front-Diameter



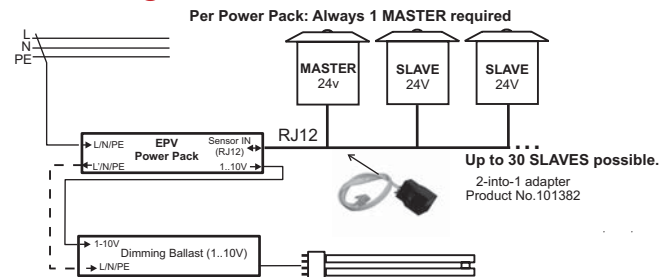
Installation Depth



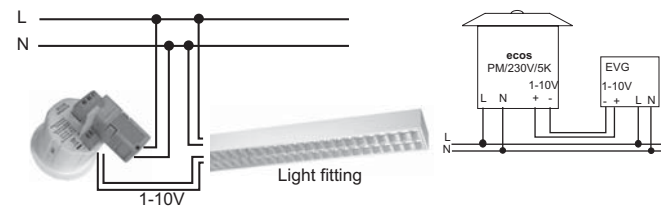
Types & Functions

	PM/24V/5K MASTER Nr. 101792	PM/230V/5K Nr. 101926	PM/24V/12K MASTER Nr. 102128	PM/230V/12K Nr. 102072
Product				
Maximum Mounting Height	5 m		12 m	
Delay Time	10 seconds - 14 minutes adjustable			
Minimum Dimmlevel	Minimum dimmlevel that is reached after delay time has elapsed. 1..5V equals approx. 10-50% of light output, depending on ballast type			

Wiring 24V

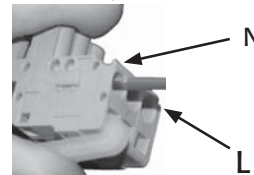


Wiring 230V



Adjustment of the delay time
Turn to „+“ direction extends the time for max. brightness of the luminaires.

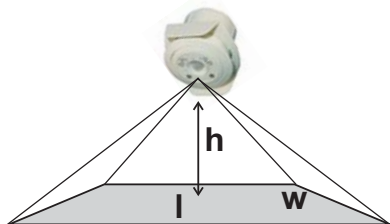
Adjustment of the minimum dimmlevel
Turn to „+“ direction lifts the minimum brightness (1..5 V).



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

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)
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

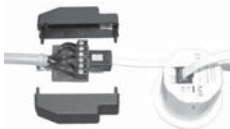




12m types		
height (m)	width (m)	length (m)
4.0	8.28	9.88
4.5	9.32	11.12
5.0	10.36	12.34
5.5	11.40	13.58
6.0	12.42	14.80
6.5	13.46	16.06
7.0	14.50	17.28
7.5	15.52	18.52
8 - 12m	12	12

Installation & Accessories

Mounting Options			
	<p>Supplied with each sensor</p> <p>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.</p>	<p>Product-No. 101683</p> <p>Flush mounting with spring clip Applicable when the standard clip can not be placed onto the rear of the sensor, e.g. plaster-board or wooden ceilings. 60mm cutout.</p>	<p>Product-No.. 101472</p> <p>Surface mounting enclosure Applicable for retrofits on concrete ceilings. Accessories for concrete canister mounting also available on request.</p>

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

230V Connection Accessories			
	<p>Product-No. 101426</p> <p>WAGO plug sets EPV-Wago plug sets with strain relief & quick-fix accessories.</p>	<p>Product-No. 101884</p> <p>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).</p>	<p>Plug-Connection-System</p> <p>Fully pre-wired plug system (ADELS / WIELAND / WINSTA) Please contact us for individual quotes.</p>

24V Connection Accessories					
	<p>Product-No. 101947</p> <p>Cable adapter KA2 Gateway from RJ12 cable to screw terminal.</p>	<p>Product-No.101382</p> <p>2-into-1 RJ12 adapter Use for plugging several 24V sensors together.</p>	<p>Power Packs</p> <p>EPV offers you a wide range of Power Packs. Please ask, we will help to find the right one for your application.</p>	<p>Slave Sensors</p> <p>To extend the observation area. PM/24V/5 SLAVE (Product-No. 101798) PM/24V/12 SLAVE (Product-No. 102127)</p>	<p>Product-No. 101871</p> <p>RJ12-cable 6m Max. cable length with ecos MASTER Sensors with dimming function(1-10V) 100m (RJ12-cable of at least AWG 26 - 0.12m²)</p>