

2019 EPV prices

Energy saving lighting controls

- **Occupancy sensors**
- **Dimmers**
- **Daylight harvesting**

EPV

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Replaces all previous price lists.

www.epvelectronics.com

occy occupancy sensors


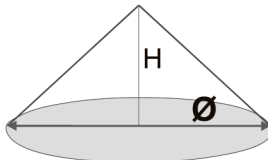

Recommended retail prices ex-works Lüdenscheid

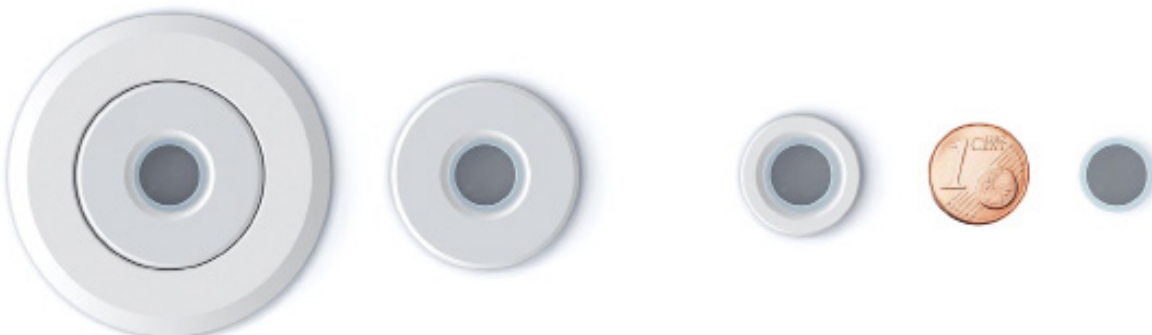
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occy smarthome occupancy sensors (24V)

Sensor head with accessories for all types of installation and 24V powerpack for system connection - and a small Powerpack for connection to your controller (see below).

	Modell	Product no.	Function	RRP excl. VAT
	occy smarthome	102435	maximum installation height: 5m Output signal presence and light value: 10m active passiv No Pull-up resistor necessary Power supply 15-28V DC Ambient temperature: 0-50°C IP 41 Coverage area:  $\text{Ø} = 2,22 \times H$ Beispiel: H=3m $\text{Ø} = 2,22 \times 3\text{m} = 6,66\text{m}$	69,90 €
	occy smarthome 7m extension cable	102435	4-core extension cable (plug to socket). This increases the distance between the sensor head and the smarthome powerpack, e.g. if you prefer the powerpack in the immediate vicinity of your controller.	9,90 €



ecos occupancy sensors

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ecos 24V occupancy sensors

24V occupancy sensors can be operated in two ways:

- with EPV Power Packs to cover large areas in a simple way (see next page) or
- connected to existing control systems (Smarthome / BMS). In this case, no EPV Power Pack is required.

Each MASTER sensor can be **extended** with up to 30 SLAVES

The models without dimming function operate on 10.8-28V AC and DC, models with dimming function on 15-28V AC and DC.

	Model	Product no.	Function	RRP excl. VAT
For up to 5 meter installation height (for offices, class rooms, corridors, ...)				
	PM24V/5 MASTER	102043	Pure occupancy sensor. No daylight sensing. Fixed delay time = 10 Minutes. Output: potential free / dry contact.	50,90 €
	PM/24V/5L MASTER	102045	Occupancy sensor with adjustable daylight threshold. Adjustable threshold level 100 to 1000 lux. Adjustable delay time 10 seconds to 14 minutes. Output: potential free / dry contact.	54,90 €
	PM/24V/5LSa DIM MASTER	102049	Combined occupancy and daylight harvesting sensor (with dimming output). For maximum energy efficiency. Adjustable delay time 10 seconds to 14 minutes. Adjustable dimming set point (guaranteed lux level) 100 - 1000 lux. Dimming signal: 1-10V. Output: potential free / dry contact.	64,90 €
	PM/24V/5 SLAVE	101798	SLAVE sensor for coverage area extension. To be used in combination with MASTER sensor. One MASTER can be extended with up to 30 SLAVES.	38,90 €
For up to 12 meter installation height (for halls, warehouses, industrial, ...)				
	PM/24V/12 MASTER	102046	Pure occupancy sensor. No daylight sensing. Fixed delay time = 10 minutes. Output: potential free / dry contact.	55,90 €
	PM/24V/12L MASTER	102048	Occupancy sensor with adjustable daylight threshold. Adjustable threshold level 100 to 1000 lux. Adjustable delay time 10 seconds to 14 minutes. Output: potential free / dry contact.	59,90 €
	PM/24V/12 SLAVE	102127	SLAVE sensor for coverage area extension. To be used in combination with MASTER sensor. One MASTER can be extended with up to 30 SLAVES.	45,90 €

ecos occupancy sensors

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ecos 230V occupancy sensors

All 230V sensors (except /K models) feature a powerful built-in double-latch Tungsten relay for direct switching of the load. Permissible load per sensor: 2300 VA / 800 A inrush current (therefore suitable for LEDs or ballasts).



- **cable connector plug** (WAGO) with strain relief
- **installation clip** to mount the sensor into false / suspended ceilings (more details below) where you can reach to the rear of the sensor.

	Model	Product no.	Function	RRP excl. VAT
For up to 5 meter installation height (for offices, class rooms, corridors, ...)				
	PM/230V/5	101918	Pure occupancy sensor. No daylight sensing. Fixed delay time = 10 Minutes.	54,90 €
	PM/230V/5L	101919	Occupancy sensor with adjustable daylight threshold. Adjustable threshold level 100 to 1000 lux. Adjustable delay time 10 seconds to 14 minutes.	57,90 €
	PM/230V/5LSa DIM	101921	Combined occupancy and daylight harvesting sensor (with dimming output). For maximum energy efficiency. Adjustable delay time 10 seconds to 14 minutes. Adjustable dimming set point (guaranteed lux level) 100 - 1000 lux. Dimming signal: 1-10V.	74,90 €
For up to 12 meter installation height (for halls, warehouses, industrial, ...)				
	PM/230V/12	102052	Pure occupancy sensor. No daylight sensing. Fixed delay time = 10 minutes.	59,90 €
	PM/230V/12L	102054	Occupancy sensor with adjustable daylight threshold. Adjustable threshold level 100 to 1000 lux. Adjustable delay time 10 seconds to 14 minutes.	62,90 €

accessories for ecos sensors

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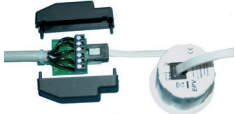


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accessories for ecos occupancy sensors 24V



Useful helpers to get your project done quickly. All 24V sensors have an **RJ12 socket** for electrical connection on the back.



	Model	Product no.	Function	RRP excl. VAT
	KA2 cable adapter set	101947	For the connection of 24V sensors to control systems / Smarthome systems: Cable adapter for the transition from flat cable with Western plug (RJ11, RJ12) on installation cable or single wires. RJ12 to 6-pin screw terminal.	7,30 €
	2-into-1 RJ12 adapter (Y-adapter)	101382	Allows easy connection of multiple 24V sensors via RJ12 cable (e.g. MASTER / SLAVE). Rule of thumb: per each SLAVE usually 1 adapter is required.	4,90 €
	RJ12 cable, 6 meters	101871	For connecting 24V sensors (e.g. SLAVES to MASTER) , by using the above 2-way adapter. 6-core cable with 6-pin plugs (6P6C). 100% electrically tested. Length: 6 meters.	4,90 €

Optional mounting accessories for ecos occupancy sensors (230V + 24V) & LS3

A mounting clip for the installation of the sensor into **multi-part accessible ceilings (for example ceiling tiles)** is always included in the scope of delivery.

	Spring-loaded clip	101683	For the installation of occupancy sensors into suspended one-piece ceilings (e.g. plaster board, acoustic ceilings) in which the rear of the sensor is inaccessible and thus the standard installation clip cannot be used.	7,30 €
	Surface mounting enclosure	101472	For surface installation (e.g. bare concrete ceilings).	7,30 €

Power Packs

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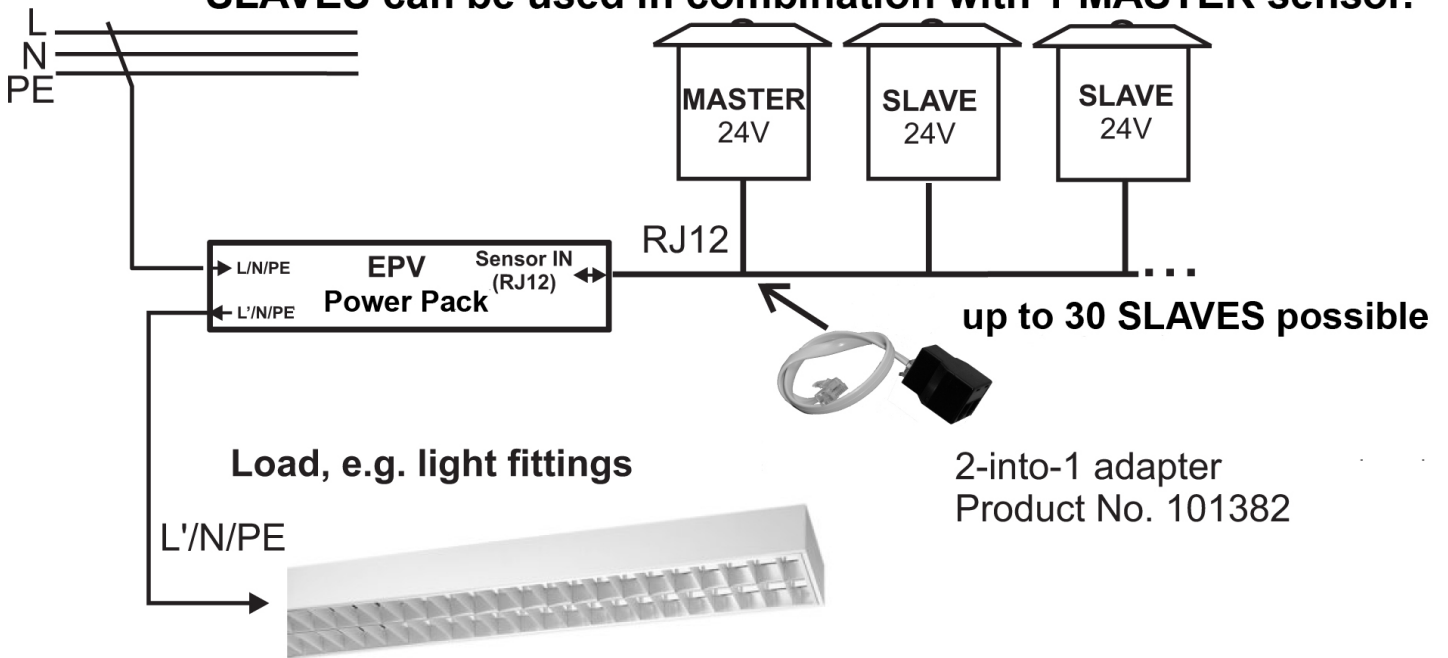
Power Packs

For simple plug & play occupancy sensing coverage of large areas. Power Packs are supplied with mains voltage on the primary side. On the sensor side, the sensors are connected via plug & play (see 24V accessories). **One MASTER sensor and up to 30 SLAVE sensors** may be connected via plug & play with RJ12 cable to each power pack.

Power packs **are not required** when operating the 24V sensors in connection with a control system / Smarthome system.

	Model	Product no.	Function	RRP excl. VAT
	Power Pack XL DIM	102144	Suitable for analogue dimming and switching. Powerful double-latch tungsten relay 2300 VA / 800 A and 1-10V dimming output.	49,90 €
	Power Pack DALI	102233	For digital dimming and switching with DALI. Supports up to 45 DALI devices directly. By connecting a DALI voltage source, the operation of 125 DALI devices is possible.	69,90 €

SLAVES can be used in combination with 1 MASTER sensor.



DIMMTRONIC dimmers



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DIN rail dimmers (trailing-edge / leading-edge)

Manual operation through push-button or through 1-10V control signal. Width: 6 TE (105 mm).
For DIN rail mounting in sub-distributions.

	Model	Product no.	Function	RRP excl. VAT
	M1000/5.3	101723	Leading-edge dimmer. Control either through push-button or through 0-10V signal (also 1-10V). Resistive loads: min. 10 Watts, maximum 1000 Watts. Inductive loads: min. 10 VA, maximum 850 VA.	119,90 €
	M1000/3.3	101722	Trailing-edge dimmer. Control either through push-button or through 0-10V signal (also 1-10V). Resistive loads: min. 10 Watts, maximum 1000 Watts. Capacitive loads: min. 10 VA, maximum 850 VA.	139,90 €






DAYTRONIC light sensor for daylight harvesting

Sensor for daylight harvesting.

	Model	Product no.	Function	RRP excl. VAT
	Light sensor LS3	100442	Light sensor LS3 for daylight harvesting. Incl. cable adapter KA2. For ceiling mounting. Wide adjustable measuring range from 10-2400 lux. Adjustable dimming set point. Adjustable drop to minimum output (<1V). 1-10V interface with maximum load of 50 mA. Required power supply: 15 VDC.	139,90 €
	Power supply LS3	101603	Power supply for LS3. Input voltage 100-240V. Output 15 VDC, 1.34 A DIN-rail.	59,90 €

Project solutions and custom models

Special projects require special solutions. The following is a selection from our portfolio. These sensors are not always available from stock and there may be a minimum order quantity. If you are interested, please contact us (info@epvelectronics.com).

	Model	Product no.	Function	RRP excl. VAT
For up to 5 meter installation height (applicable for 230V and 24V versions)				
	PM/230V/5T	101920	Pure occupancy sensor with adjustable time. 230V. No daylight sensing. Adjustable delay time 10 seconds to 14 minutes.	56,90 €
	PM/24V/5T MASTER	102044	Pure occupancy sensor with adjustable time. 24V. No daylight sensing. Adjustable delay time 10 seconds to 14 minutes. Output: potential free / dry contact.	53,90 €
	PM/230V/5K DIM	101926	Occupancy based dimming. 230V. ("corridor function") Adjustable delay time 10 seconds to 14 minutes. Adjustable minimum light level 1-5V. 1-10V output signal (no switching).	64,90 €
	PM/24V/5K DIM MASTER	101792	Occupancy based dimming. 24V. ("corridor function") Adjustable delay time 10 seconds to 14 minutes. Adjustable minimum light level 1-5V. 1-10V output signal (no switching).	63,90 €
	PM/230V/5LSb DIM	101922	Combined occupancy and daylight harvesting sensor (w. dimming output). 230V. Adjustable delay time 10 seconds to 14 minutes. Adjustable dimming set point (guaranteed lux level) 100 - 1000 lux. Switch-off priority: no occupancy.	74,90 €
	PM/24V/5LSb DIM MASTER	102050	Combined occupancy and daylight harvesting sensor (w. dimming output). 24V. Adjustable delay time 10 seconds to 14 minutes. Adjustable dimming set point (guaranteed lux level) 100 - 1000 lux. Switch-off priority: no occupancy. Dimming signal: 1-10V. Output: potential free / dry contact.	64,90 €
For up to 12 meter installation height (applicable for 230V and 24V versions)				
	PM/230V/12T	102053	Pure occupancy sensor with adjustable time. 230V. No daylight sensing. Adjustable delay time 10 seconds to 14 minutes.	61,90 €
	PM/24V/12T MASTER	102047	Pure occupancy sensor with adjustable time. 24V. No daylight sensing. Adjustable delay time 10 seconds to 14 minutes. Output: potential free / dry contact.	58,90 €
	PM/230V/12K	102072	Occupancy based dimming. 230V. (corridor function) Adjustable delay time 10 seconds to 14 minutes. Adjustable minimum light level 1-5V. 1-10V output signal (no switching).	72,90 €
	PM/24V/12K DIM MASTER	102128	Occupancy based dimming. 24V. (corridor function) Adjustable delay time 10 seconds to 14 minutes. Adjustable minimum light level 1-5V. 1-10V output signal (no switching).	71,90 €

About EPV

Energy efficiency is our speciality.

EPV Electronics GmbH has been developing, manufacturing and distributing innovative control solutions since 1990. With our focus on R&D and engineering, EPV has pioneered several successful technologies. In addition to our own products we also work as a technology partner for renowned OEM's.

All EPV products are designed and manufactured in Germany (including 100% testing and ISO 9001 certified manufacturing).

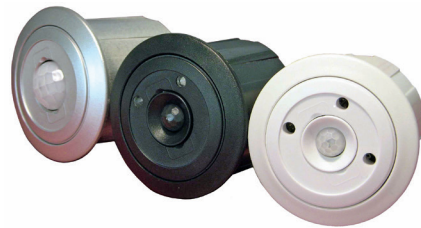
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PROJECT custom solutions

Cannot find what you are looking for? Contact us if you require custom solutions.

These include amongst others:

- Project-specific customised versions of EPV products
- OEM: customer-branded products
- AIRCOSAVER - energy saving device for air conditioners



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