

# 2018 EPV prices

## Energy saving lighting controls

- Occupancy sensors
- Dimmers
- Daylight harvesting

# EPV

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Valid from September 1<sup>st</sup>, 2017.  
Replaces all previous price lists.

[www.epvelectronics.com](http://www.epvelectronics.com)

# ecos occupancy sensors

Recommended retail prices ex-works Lüdenscheid

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## 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
<b>For up to 5 meter installation height (for offices, class rooms, corridors, ...)</b>				
	PM/230V/5	101918	<b>Pure occupancy sensor.</b> No daylight sensing. Fixed delay time = 10 Minutes.	54,90 €
	PM/230V/5L	101919	<b>Occupancy sensor with adjustable daylight threshold.</b> Adjustable threshold level 100 to 1000 lux. Adjustable delay time 10 seconds to 14 minutes.	57,90 €
	PM/230V/5LSa DIM	101921	<b>Combined occupancy and daylight harvesting sensor (with dimming output).</b> 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 €
<b>For up to 12 meter installation height (for halls, warehouses, industrial, ...)</b>				
	PM/230V/12	102052	<b>Pure occupancy sensor.</b> No daylight sensing. Fixed delay time = 10 minutes.	59,90 €
	PM/230V/12L	102054	<b>Occupancy sensor with adjustable daylight threshold.</b> Adjustable threshold level 100 to 1000 lux. Adjustable delay time 10 seconds to 14 minutes.	62,90 €

## Optional mounting accessories for 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 <b>one-piece ceilings (e.g. plaster board, acoustic ceilings)</b> in which the rear of the sensor is inaccessible and thus the standard installation clip cannot be used.	5,90 €
	Surface mounting enclosure	101472	For <b>surface installation</b> (e.g. bare concrete ceilings).	5,90 €









## 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

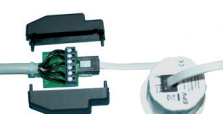


The models without dimming function operate on 10.8-28V AC and DC, models with dimming function on 15-28V AC and DC.

	Model	Product no.	Function	RRP excl. VAT
<b>For up to 5 meter installation height (for offices, class rooms, corridors, ...)</b>				
	PM/24V/5Si DIM MASTER	102293	<b>Combined occupancy and light sensor. Designed specifically for the integration into control systems</b> such as Smarthome systems or building control systems (e. g. Loxone, WAGO, Beckhoff). Open collector output (zero switching noise).	47,90 €
	PM24V/5 MASTER	102043	<b>Pure occupancy sensor.</b> No daylight sensing. Fixed delay time = 10 Minutes. Output: potential free / dry contact.	50,90 €
	PM/24V/5L MASTER	102045	<b>Occupancy sensor with adjustable daylight threshold.</b> 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	<b>Combined occupancy and daylight harvesting sensor (with dimming output).</b> 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	<b>SLAVE sensor</b> for coverage area extension. To be used in combination with MASTER sensor. One MASTER can be extended with up to 30 SLAVES.	38,90 €
<b>For up to 12 meter installation height (for halls, warehouses, industrial, ...)</b>				
	PM/24V/12 MASTER	102046	<b>Pure occupancy sensor.</b> No daylight sensing. Fixed delay time = 10 minutes. Output: potential free / dry contact.	55,90 €
	PM/24V/12L MASTER	102048	<b>Occupancy sensor with adjustable daylight threshold.</b> 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	<b>SLAVE sensor</b> for coverage area extension. To be used in combination with MASTER sensor. One MASTER can be extended with up to 30 SLAVES.	45,90 €

## 24V accessories

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	<b>For the connection of 24V sensors to control systems / Smarthome systems:</b> 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.	5,90 €
	2-into-1 RJ12 adapter (Y-adapter)	101382	<b>Allows easy connection of multiple 24V sensors</b> 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	<b>For connecting 24V sensors (e.g. SLAVES to MASTER),</b> by using the above 2-way adapter. 6-core cable with 6-pin plugs (6P6C). 100% electrically tested. Length: 6 meters.	4,90 €

# Power Packs

Recommended retail prices ex-works Lüdenschheid



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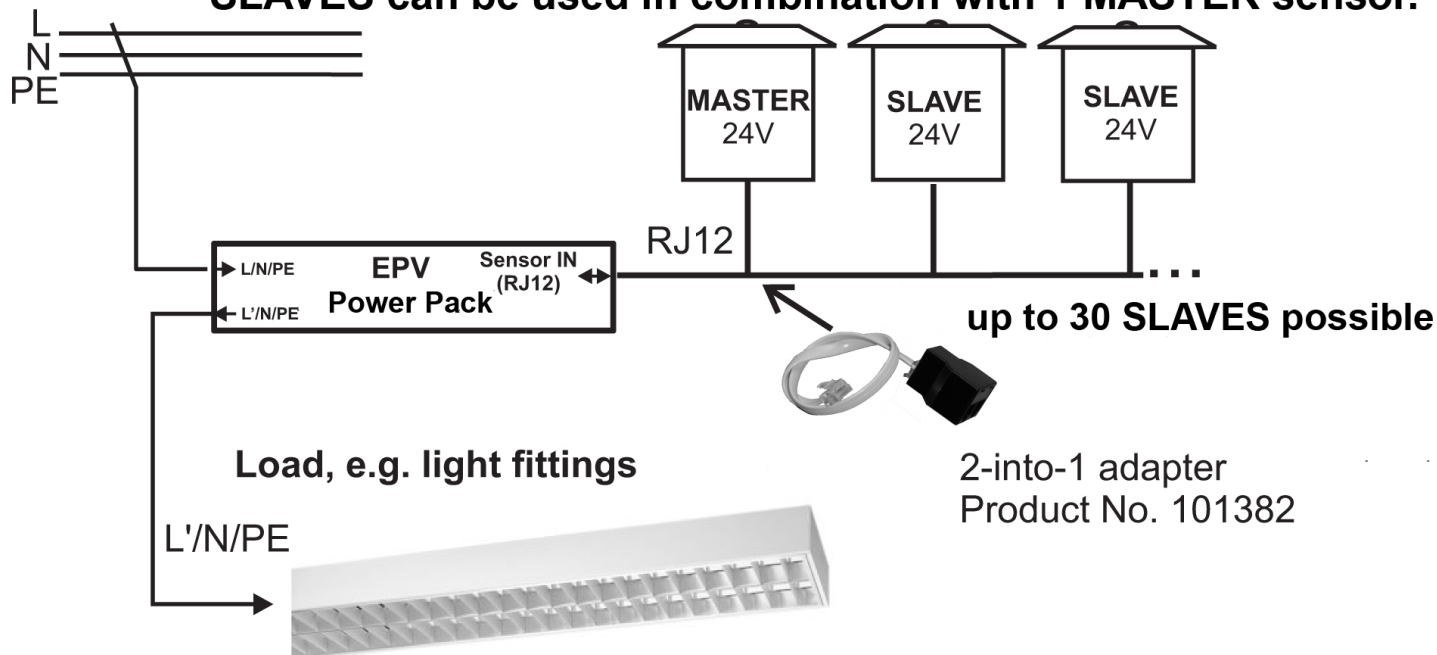
## Power Packs

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	<b>Suitable for analogue dimming and switching.</b> Powerful double-latch tungsten relay 2300 VA / 800 A and 1-10V dimming output.	49,90 €
	Power Pack DALI	102233	<b>For digital dimming and switching with DALI.</b> 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.**





## 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
<b>For up to 5 meter installation height (applicable for 230V and 24V versions)</b>				
	PM/230V/5T	101920	<b>Pure occupancy sensor with adjustable time. 230V.</b> No daylight sensing. Adjustable delay time 10 seconds to 14 minutes.	56,90 €
	PM/24V/5T MASTER	102044	<b>Pure occupancy sensor with adjustable time. 24V.</b> No daylight sensing. Adjustable delay time 10 seconds to 14 minutes. Output: potential free / dry contact.	53,90 €
	PM/230V/5K DIM	101926	<b>Occupancy based dimming. 230V. ("corridor function")</b> 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	<b>Occupancy based dimming. 24V. ("corridor function")</b> 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	<b>Combined occupancy and daylight harvesting sensor (w. dimming output). 230V.</b> 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	<b>Combined occupancy and daylight harvesting sensor (w. dimming output). 24V.</b> 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 €
<b>For up to 12 meter installation height (applicable for 230V and 24V versions)</b>				
	PM/230V/12T	102053	<b>Pure occupancy sensor with adjustable time. 230V.</b> No daylight sensing. Adjustable delay time 10 seconds to 14 minutes.	61,90 €
	PM/24V/12T MASTER	102047	<b>Pure occupancy sensor with adjustable time. 24V.</b> No daylight sensing. Adjustable delay time 10 seconds to 14 minutes. Output: potential free / dry contact.	58,90 €
	PM/230V/12K	102072	<b>Occupancy based dimming. 230V. (corridor function)</b> 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	<b>Occupancy based dimming. 24V. (corridor function)</b> Adjustable delay time 10 seconds to 14 minutes. Adjustable minimum light level 1-5V. 1-10V output signal (no switching).	71,90 €

# 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	<b>Leading-edge dimmer. Control either through push-button or through 0-10V signal (also 1-10V).</b> Resistive loads: min. 10 Watts, maximum 1000 Watts. Inductive loads: min. 10 VA, maximum 850 VA.	119,90 €
	M1000/3.3	101722	<b>Trailing-edge dimmer. Control either through push-button or through 0-10V signal (also 1-10V).</b> 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	<b>Light sensor LS3 for daylight harvesting.</b> 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	<b>Power supply</b> for LS3. Input voltage 100-240V. Output 15 VDC, 1.34 A DIN-rail.	59,90 €

# 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).

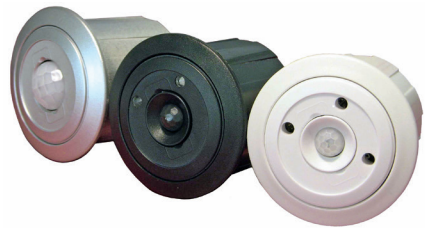
**Energy efficiency, made in Germany.**

## 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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