EPV

Lighting Controls for Green Buildings

Occupancy Sensors

Prices

in ??, excl. Tax

Valid from June 1st, 2010 – supersedes all earlier price lists

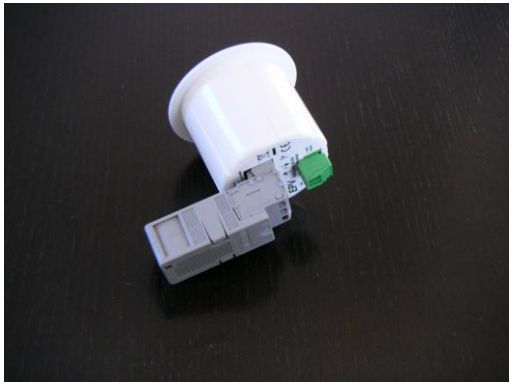
230V Occupancy Sensors: Applications

230V types are good for standalone applications where one sensor covers the full area, e.g.

- Small offices
- Bathrooms
- Classrooms

Simple & quick installation

- Built-in relay, Max. 300W or 80A inrush current (can be increased by external power relay)
- L and N are connected to sensor, switched Live goes to lamps
- Sensors have WAGO sockets and WAGO plugs including strain relief for the wiring (plugs supplied with each sensor)
- Each sensor comes with a mounting clip



Sensor with WAGO plug with strain relief (grey). Pictured is a combined Occupancy & Daylight Harvesting Sensor

Sensor with standard mounting clip

230V Occupancy Sensor Kits (1/2)

Occupancy Sensing

BM3/230V/5 **$ 0**

– Simple On/Off, based on Occupancy only, fixed delay time 10 minutes, no twilight switch, incl. plug set with strain relief, max 5m height

BM3/230V/5L *(suitable for most applications!)* **$ 0**

– On/Off with, adjustable delay time 10 seconds -14 minutes, adjustable twilight switch 100-1.000 lux, incl. plug set with strain relief, max 5m height

BM3/230V/10 **$ 0**

– Simple On/Off, based on Occupancy only, fixed delay time 10 minutes, no twilight switch, incl. plug set with strain relief, max 10m height

BM3/230V/10L **$ 0**

– On/Off with, adjustable delay time 10 seconds – 14 minutes, adjustable twilight switch 100-1.000 lux, incl. plug set with strain relief, max 10m height

230V Occupancy Sensor Kits (2/2)

Occupancy Sensing + Daylight Harvesting

BM3/230V/5LSa **$ 0**

- On/Off and Daylight Harvesting (1..10V dimming signal output), adjustable delay time 10s-14min, adjustable dimming set point 100-1.000 lux, incl. plugs with strain relief, max 5m height
- Off-Priority: Light level.

Explanation: When sufficient ambient light is available, the artificial light will remain in maximum dimming position for the set delay time. ***After that, the artificial light is turned off, regardless of motion in the room.***

BM3/230V/5LSb **$ 0**

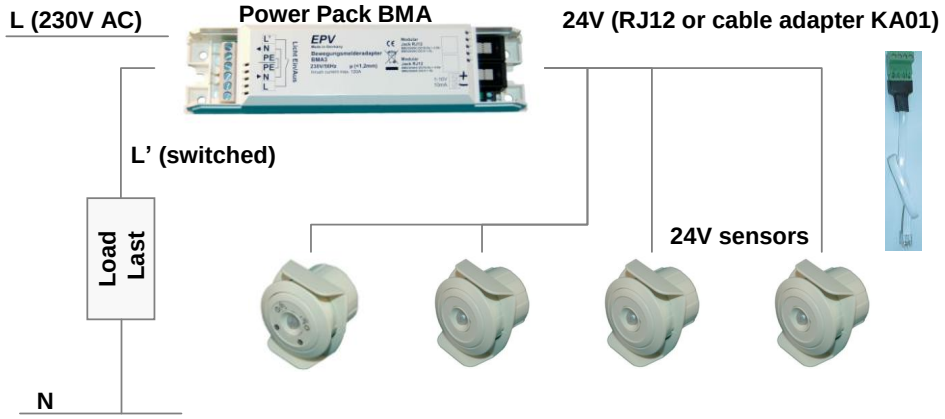
- On/Off and Daylight Harvesting (1..10V dimming signal output), adjustable delay time 10s-14min, adjustable dimming set point 100-1.000 lux, incl. plugs with strain relief, max 5m height
- Off-Priority: Motion

Explanation: When sufficient ambient light is available, the artificial light will remain in maximum dimming position as long as there is any motion in the room. ***The lights will turn off only when the room is vacant.***

24V Occupancy Sensors: Applications

1.) For combining more than 1 Occupancy Sensor in parallel (with Power Pack)

- When you require larger sensor zones, for example for open plan offices or long corridors
- Simple installation of sensors with RJ12 data cable
- 230V connected only to Power Pack



2.) For use in Building Management Systems (no Power Pack required)

- All 24V sensors have Open Collector outputs (high / low signal levels) that can be used to interface with existing systems (more information available!)

24V Occupancy Sensors + Power Pack (1/2)

Occupancy Sensing

BM3/24V/5 **$ 0**

- Simple On/Off, based on Occupancy only, fixed delay time 10 minutes, no twilight switch, incl. plug set with strain relief, max 5m height

BM3/24V/5L **$ 0**

- On/Off with, adjustable delay time 10s-14min, adjustable twilight switch 100-1.000 lux, incl. plug set with strain relief, max 5m height
- 1 of these can be combined with up to 3 simple BM3/34V/5 sensors

BM3/24V/10 **$ 0**

- Simple On/Off, based on Occupancy only, fixed delay time 10 minutes, no twilight switch, incl. plug set with strain relief, max 5m height

BM3/24V/10L **$ 0**

- On/Off with, adjustable delay time 10s-14min, adjustable twilight switch 100-1.000 lux, incl. plug set with strain relief, max 10m height
- 1 of these can be combined with up to 3 simple BM3/34V/10 sensors

Power Pack for Occupancy Sensing

Power Pack BMA2 NL **$ 0**

- **Up to 4 Occupancy Sensors of 24V** type can be connected to one of these units. Sensors will work in parallel to give you large coverage area.
- Switching capacity: 16A relay, max 120A inrush
- Connection of sensors with simple RJ 12 wiring
- Incl. strain relief for wiring & terminal cover

24V Occupancy Sensors + Power Pack (2/2)

Occupancy Sensing + Daylight Harvesting

BM3/24V/5LSa* **$ 0**

- On/Off and Daylight Harvesting (1..10V dimming signal output), adjustable delay time 10s-14min, adjustable dimming set point 100-1.000 lux, incl. plugs with strain relief, max 5m height, Off-priority: Light level
- 1 of these can be combined with 3 simple BM3/34V/5 sensors

BM3/24V/5LSb* **$ 0**

- On/Off and Daylight Harvesting (1..10V dimming signal output), adjustable delay time 10s-14min, adjustable dimming set point 100-1.000 lux, incl. plugs with strain relief, max 5m height, Off-priority: Motion
- 1 of these can be combined with 3 simple BM3/34V/5 sensors

*** For explanation of differences between /5LSa and /5LSb please see 230V types on page 4**

Power Pack for Occupancy Sensing & Daylight Harvesting

Power Pack BMA3 **$ 0**

- Up to 4 Occupancy Sensors of 24V type can be connected to one of these units. One of them can be of the Daylight Harvesting type (above)
- Sensors will work in parallel to give you large coverage area.
- Switching capacity: 16A relay, max 120A inrush
- Connection of sensors with simple RJ 12 wiring
- Incl. strain relief for wiring & terminal cover

Optional Accessories for Occupancy Sensors

Optional Accessories

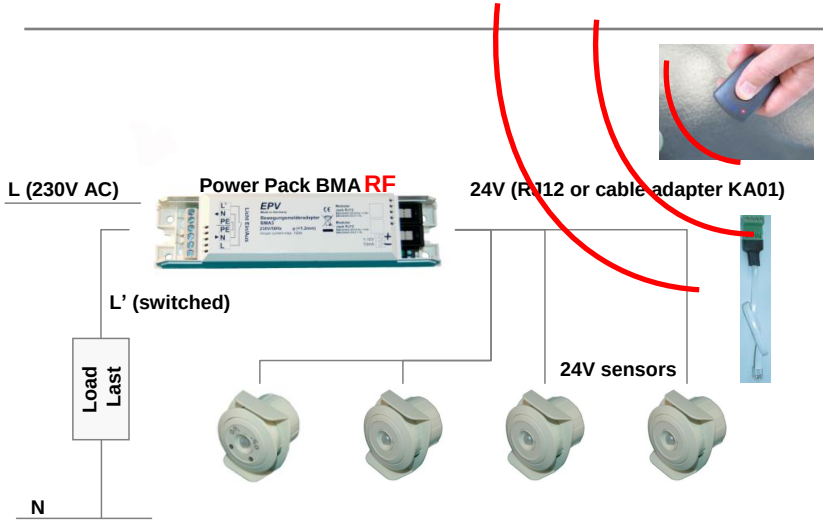
– Spring fitting, e.g. for plasterboard ceilings **$ 0**

– Surface mounting housing, e.g. for concrete ceilings **$ 0**

– 2-into-1 extension for RJ12-wiring (24V types) **$ 0**

– Additional Contactor Relay (30A cont. / 250A inrush current) **$ 0**
for switching very large loads with an Occupancy Sensor

Optional: Remote Controlled Dimming



RF Remote Control (1 channel)*	**$ 0**
+	
Power Pack BMA3 RF (with built-in RF receiver)	**$ 0**
Set	**$ 0**
*** 4 channel Remote Control also available**	**$ 0**

Functionality

A. With Occupancy / Daylight Harvesting Sensor (e.g. BM3/24V/5LSa) connected: Toggle between manual and automatic dimming

- Lights can be dimmed up and down manually by holding down the button on the remote control. This disables/overwrites the automatic Daylight Harvesting.
- A short press on the button puts the system back into fully automatic Occupancy Sensing and Daylight Harvesting mode.

B. No Occupancy Sensor connected = Standalone remote controlled manual dimmer

- Lights can be dimmed up and down manually by holding down the button on the remote control.
- A short press on the button turns the lights on and off.

Applications:

- Excellent for conference rooms, offices