

Press release — ESYLUX automation

Entry level presence and motion detectors with a large range: PD and MD BASIC 360i/24 from ESYLUX

Ahrensburg, Germany, 1 February 2018. ESYLUX expands its successful BASIC series with presence and motion detectors with an especially large range. With a detection diameter of up to 24 metres, the PD and MD 360i/24 BASIC are ideal for installation in large rooms or on higher ceilings. Zero-cross switching enables control of LED lights while protecting the relay, as well as push button input to facilitate semi-automatic operation where required.

ESYLUX has specially developed the BASIC series presence and motion detectors as a stand-out choice for energy-efficient light control in large, cost-intensive projects in particular. They are an ideal entry-level solution for demand-driven building automation in any areas where straightforward motion and daylight-based lighting control is required.

Precise detection in large rooms or on high ceilings

With the PD and MD 360i/24 BASIC, ESYLUX has expanded the series to include presence and motion detectors with a range of 24 metres at a ceiling height of 3 metres. This means that a large room can be fully covered with just a single detector. The detectors are also suited to rooms with high ceilings. The push button input enables semi-automatic operation as required, while multiple detectors can be connected in parallel for larger areas such as car parks.

Radiation-free passive infrared technology preferred by ESYLUX is used for motion detection.

Zero-cross switching for LED lights

Because increasing numbers of developers and building operators are now choosing to retrofit LED lights, the BASIC detectors use zero-cross switching that reliably protects the relay from high in-rush currents. The light control can easily be adapted to suit local conditions: The light value can be adjusted from 5 to 2000 lux, and the switch-off delay time from 15 seconds to 30 minutes — either using the control element on the detector or via remote control. Alternatively, the

PD and MD 360/24 BASIC portfolio also includes detectors without a remote control function.

All new versions are designed for ceiling flush mounting, but they are also suitable for recessed mounting using the appropriate accessories. They feature protection type IP 40, and the 360-degree field of detection can be reduced using the lens cover provided, if required. The detectors also have an integrated impulse mode for controlling automatic stairwell lights, control devices or a programmable logic controller (PLC).

Photos and captions

[Photo: pd basic 360i24]



(Photo: ESYLUX GmbH)

ESYLUX — Performance for simplicity

ESYLUX develops, manufactures and distributes intelligent automation and lighting solutions that ensure better quality of life and energy efficiency in office buildings, educational institutions and health facilities. People's requirements and needs are central to the company's activities. ESYLUX places particular value on the simple application of its product solutions. ESYLUX customers and partners include wholesalers, installation companies, electrical and lighting planners and architects who trust in the company's 50 years of market experience and the personal, specialist advice provided by ESYLUX experts. Furthermore, ESYLUX meets the highest quality standards in research, development and production at its German site in Ahrensburg. The sales organisation is global: ESYLUX operates on five continents in collaboration with experienced trading partners and is represented by numerous subsidiaries in Europe, Asia and Oceania.