

PRESS RELEASE

Ahrensburg, Germany, 14 February 2019

Providing extensive range for long corridors: The ESYLUX PD-C and MD-C 360i/40 Corridor presence and motion detectors

With the PD-C and MD-C 360i/40 Corridor presence and motion detectors from the COMPACT series, ESYLUX is presenting new product solutions for energy-efficient light control in corridors. Thanks to a large maximum range of 40 m, a single unit can cover a long corridor — however, parallel wiring is also possible where necessary. An integrated tungsten pre-contact ensures that the switching behaviour of the LED lights does not damage the relay.

Environments such as offices, educational institutions and health facilities often require a solution for demand-driven building automation that is exactly tailored to the application at hand. If ceiling mounting in corridors is required, presence detectors are the best choice as their detection range is elliptical, allowing them to cover the widest range possible and reduce the number of devices required.

Extensive range — including movements directly in front of the detector

With the PD-C and MD-C 360i/40 Corridor presence and motion detectors, ESYLUX is presenting new solutions with a total range up to 40 m in diameter. Within this range, the devices detect motion in the corridor from either direction or any angle that crosses them. If the movement occurs head-on, they can identify this within a range of 20 m. Thanks to this extensive range, a single detector can be used to cover long corridors and turn the lighting on and off depending on

presence, movement or daylight. In areas that require an even greater range, up to eight devices can be connected via parallel wiring.

Optimal use of LED lifetime

The detector is equipped with a tungsten pre-contact — this ensures that the relay is not damaged by the switching behaviour of the LED lights, and thus allows the user to take full advantage of a long service life using demand-driven automation. Alternatively, the lights can be operated manually using a push button input. By using a DIP switch, the user can also specify that the lighting should only be switched on — this prevents all lighting being switched off accidentally, for example if there are still people on other floors of a staircase. The detectors also have a pulse mode for controlling automatic stairwell lights, control devices or a programmable logic controller (PLC).

As with all detectors in the COMPACT series, the two-part housing of the PD-C and MD-C 360i/40 Corridor ensures easy installation, as the low depth of the powerbox leaves more than enough space for the wiring. The default factory settings mean that the detectors can be commissioned immediately. If necessary, the parameters can be adjusted easily using a potentiometer on the device or the ESY-Pen from ESYLUX in combination with a smartphone or tablet.

About 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 in collaboration with experienced trading partners and is represented by numerous subsidiaries in Europe, Asia and Oceania.

Find more information at www.esylux.com

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Photos and captions

(Source: ESYLUX GmbH)



PD-C 360i/40 Corridor