

Press release — ESYLUX automation

Highest resilience for demand-driven LED lighting: the MD 180i/16 BASIC motion detector

Ahrensburg, Germany, 15 June 2017. The MD 180i/16 BASIC wall-mounted motion detector from ESYLUX automatically lowers energy costs in office buildings or educational institutions while providing an entry-level solution for demand-driven LED lighting. The device's low internal consumption and tungsten pre-contact also contribute to reducing energy costs. Furthermore, the device's compatibility with pre-installed brand name switches enables rapid modernisation during continuous operation.

Many building operators are currently updating their lighting with LED-based lighting solutions. A presence and motion-sensitive control allow the user to capitalise on the life expectancy of this type of light source in the best way possible. However, the high in-rush currents of the LEDs present a genuine risk to the relay in the presence and motion detectors.

Simple, yet intelligent solution for limited budgets

One option for preventing this risk is to use a tungsten pre-contact, such as the one installed in the new MD 180i/16 BASIC wall-mounted motion detector from ESYLUX. The presence and motion detectors from the BASIC series are especially suited to use in cost-sensitive projects or in projects where simple functionality is sufficient. In hallways, stairwells or lobbies, the MD 180i/16 BASIC uses its motion detection and light sensor technology to ensure that the lighting is only on when absolutely necessary, thus optimising the resulting savings effect with a low internal consumption of less than 0.3 W.

Compatible with brand name switches and suitable for pulse mode

The design of the wall-mounted detector means that it is compatible with common brand name switches, making rapid replacement during continuous operation easier. If you also want to be able to switch the lighting manually, this can be implemented via the integrated push button input. "Automation is never a must for us, only a can," emphasises Marcus Pabsch, Head of Product Management. In addition, the detector is able to control automatic stairwell lights

and signalling devices or a programmable logic controller (PLC) using a pulse mode.

The MD 180i/16 BASIC has a 180° field of detection as well as a range of 16 m in diameter. If this is not sufficient, the user can connect up to six detectors in parallel with one another. In locations with more unfavourable conditions, such as in damp rooms, the motion detector can be fitted with an appropriate cover for the protection type IP44. The corresponding screws are made of stainless steel. The MD 180i/16 BASIC can be configured via remote control, although the programming preassigned by the factory enables immediate commissioning.

Photos and captions

[Photo: basic]



Photo: ESYLUX GmbH

About ESYLUX — Performance for Simplicity

ESYLUX develops, manufactures and sells products for enhanced energy efficiency, comfort and safety for the building sector. Its focus is on sensor-based, demand-driven automation and lighting. The aim is to improve people's quality of life with both intelligent and user-friendly solutions that meet the most complex requirements yet remain easy to implement. The company – which has its headquarters near Hamburg, Germany – counts wholesalers, installation companies, electrical and lighting planners and architects among its partners. These partners place their trust in almost 50 years of market experience, high service standards and the prioritisation of German locations as sites for research, development and production. The sales organisation is global: ESYLUX operates on five continents in collaboration with 17 experienced trading partners and is represented by a total of 13 subsidiaries in Europe, Asia and Oceania.