

**PRESS RELEASE**

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# **An intelligent all-rounder for DALI-2: The PD-C 360i/24 PS plus DALI presence detector from ESYLUX**

**With the PD-C 360i/24 PS plus DALI presence detector, ESYLUX is presenting a prototype for intelligent light control in line with the DALI-2 standard at the Light + Building 2018 trade fair. As a multi-master device with integrated bus power supply, the presence detector makes optimum use of DALI-2 options, facilitating demand-driven control of individual groups and scenes. The adjustable light sensor enables highly precise light measurement and lighting control.**

The DALI standard has always facilitated planning and installation, but the revised DALI-2 version once again significantly extends the number of options available. For example, sensors can now be used as active control units, allowing event-related actions such as presence and daylight-dependent light control to be implemented even more easily.

## **A high range and integrated bus power supply**

With the PD-C 360i/24 PS plus DALI, ESYLUX is presenting its first presence detector prototype for DALI-2 with a range of 24 metres. Using its own power supply unit, the new device delivers the bus power required for up to 64 operating devices and enables presence and daylight dependent constant lighting control. Thanks to this feature, up to 16 groups and 16 scenes can be set up, and an additional output is available for presence-dependent control of HVAC devices.

The multi-master capability of this device also ensures error-free operation with other presence detectors of the same type within the same system.

One of the advantages of the four push button inputs on the PD-C 360i/24 PS plus DALI is the fact that semi-automatic operation is possible, meaning that the user can switch on the light but the presence detector automatically switches it off again when the room is empty. Another advantage is the ability to use the inputs to control groups or call up scenes, which provides a convenient method of adjusting the light to different situations, particularly in larger rooms. As an alternative, it is also possible to set up time-controlled scenes, such as an automatic day/night mode.

#### **Adjustable light sensor and simple installation**

To optimise the light measurement and control options offered by the PD-C 360i/24 PS plus DALI, the light sensor for the presence detector is located outside of the lens and can be adjusted on an individual basis. As a result, the light can be measured exactly where it is required when it comes to completing visual tasks. What's more, targeted alignment prevents sudden, momentary light exposure through the window having an undesirable and disruptive effect on the light control.

As the housing diameter of the presence detector is 68 mm, a standard drill bit can be used to create the necessary recess. The ESY-Pen, the new all-in-one device from ESYLUX, offers a simple solution for commissioning, remote control, light measurement and project management. Bluetooth-enabled, the ESY-Pen facilitates bidirectional communication between mobile devices and the PD-C 360i/24 PS plus DALI. All the necessary parameters can be configured easily via touchscreen and saved for future use.

The PD-C 360i/24 PS plus DALI is being developed in line with IEC 62386 Part 103 and is expected to be available from electrical wholesale starting in Q3 2018 following successful DiiA certification.

### **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 on five continents in collaboration with experienced trading partners and is represented by numerous subsidiaries in Europe, Asia and Oceania.

**Find more information at [www.esylux.com](http://www.esylux.com)**

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## Photos and captions

(Source: ESYLUX GmbH)



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