

PRESS RELEASE

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Time-dependent control of lighting across rooms: DALI-2 COMPACT APC20 presence detector

With the APC20 presence detectors in the COMPACT series, ESYLUX is introducing a new specification level of presence detectors with integrated, cross-room DALI-2 lighting control at the Light + Building trade fair. The detectors can activate or adjust functions based on the day of the week and the time of day, and a swarm function improves comfort in open-plan offices. A central function allows for manual switching across groups, while a standby switch-off for DALI control gears optimises energy efficiency. APC presence detectors offer decentralised automation of up to 16 groups, which can be easily configured via smartphone and Bluetooth.

APC presence detectors in the ESYLUX COMPACT series enable cross-room, decentralised automation of up to 64 luminaires in up to 16 lighting groups via their integrated DALI-2 control unit – combined with BMS presence detectors as input devices and without the need for a building management system. With the APC20 presence detectors, ESYLUX introduces a new specification level with additional special functions.

Control based on the day of the week and the time of day

In many cases, time-dependent control allows for more demand-based automation that is often more energy efficient. APC20 presence detectors can therefore activate or alter functions and parameters depending on the day of the week and the time of day. This means, for example, that different operating modes, an orientation light for safety and scenes can be activated at specified

times. Standby mode for DALI control gears can also be switched off completely to save energy via a separate detector output.

Swarm function for extra comfort in open-plan offices

Anyone sitting alone at a desk in an open-plan office is often working in an isolated pool of light, which can be uncomfortable both psychologically and for the eyes. The detector's swarm function prevents this: When the swarm function is activated, the APC20 detectors dim the lighting in unoccupied areas of the room to comfortable basic lighting that reduces contrasts in brightness. The lighting turns off completely only when the last person has left the office.

Central functions for standardised override

APC presence detectors control each lighting group in a DALI range individually using additional BMS presence detectors, thereby enabling an override via a 230 V or DALI-2 push button. The new APC20 detectors also feature switching on and off across groups via a central function with adjustable luminous efficiency. This means, for example, cleaning staff arriving in the early evening or morning may switch on the lights via the central push button and get to work immediately with all lighting at maximum illuminance in all areas.

Like the APC10 presence detectors, the APC20 variants can also switch groups flexibly and can now also be controlled based on the time of day and day of the week. Variable scenarios and correspondingly different group assignments of bus participants enable functions and parameters to be easily adjusted to suit different applications. APC presence detectors from ESYLUX also feature an integrated bus voltage supply and an integrated 16 A relay for switching of HVAC systems or additional lighting. The detectors are available with an overall field of detection of 8, 24 or 32 m in diameter and enable simple configuration of the entire system via smartphone.

About ESYLUX – Performance for Simplicity

ESYLUX develops, produces and distributes intelligent automation and lighting solutions for a better quality of life and energy efficiency in office buildings, educational institutions and healthcare facilities. People's requirements and needs are central to what we do. As a result, we place particular importance on ensuring that our product solutions are easy to use. ESYLUX customers and partners include wholesalers, installation companies, electrical and lighting planners and architects, who put their trust in more than 55 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. Our sales organisation is global: ESYLUX operates in collaboration with experienced trading partners and is represented by numerous distribution companies in Europe, Asia and Oceania.

More information is available at www.esylux.com

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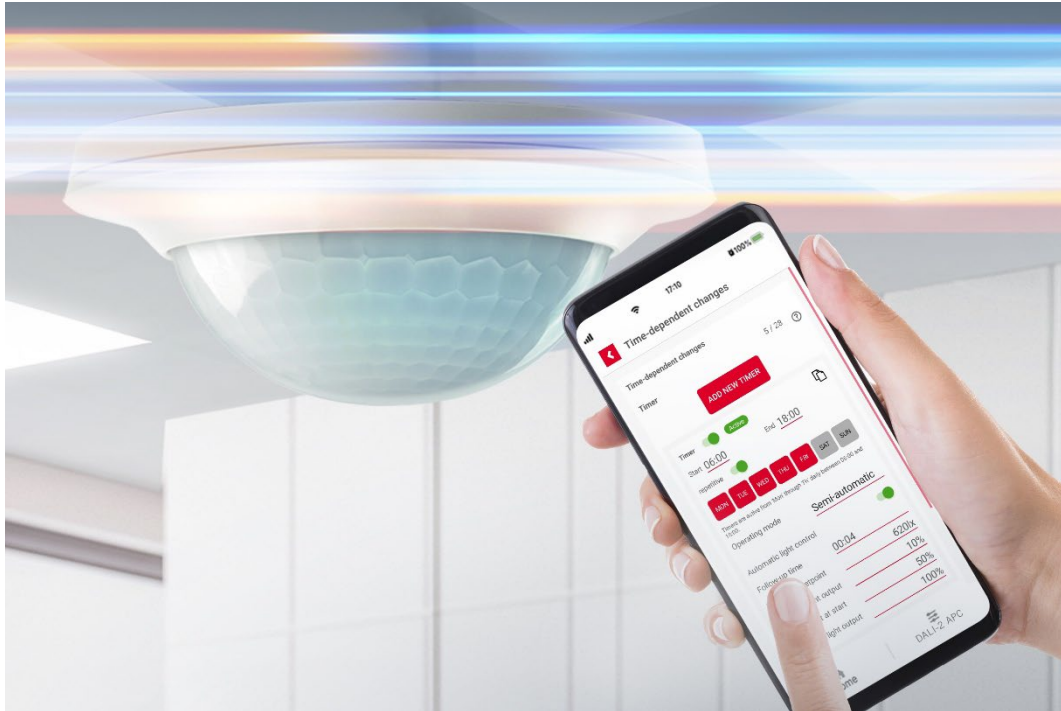
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Photos and captions

(Source: ESYLUX GmbH)



The COMPACT APC20 presence detector controls up to 64 control gears in up to 16 groups using an integrated DALI-2 control unit, and can also control these devices based on the time of day and the day of the week.