

PRESS RELEASE

Compact efficiency and convenience booster

smartSWITCH switch sensors detect presence and ambient light

Dornbirn, November 8, 2018. **The compact smartSWITCH HF 5DP f and HF 5DP S f switch sensors have an extra-wide detection range and, as built-in devices, require very little space in the luminaire. The sensors employ microwave technology and switch the light using the respective LED driver when they detect presence and ambient light.**

With the new smartSWITCH HF 5DP f and HF 5DP S f switch sensors for luminaire fixtures, Tridonic has once again expanded the detection range for presence and ambient light compared with the previous model. The sensitivity of the sensors can now be adjusted from 100 to 10% as required. This prevents the light from being switched on unnecessarily because the detection range is too large.

Flexible settings

In addition to the detection range, a threshold for the ambient light and the delay time before switch off can also be set by the nine dip switches in the sensors. The bright-out function prevents the light being switched on if the illuminance of the daylight is sufficient. The light only switches on if the sensor detects the presence of people and the ambient light is too weak. To prevent the light being switched on and off too often, automatic switch off can be delayed. The delay time before switch off begins after the last movement in the detection range and can be anything from 5 seconds to 30 minutes.

Space-saving and convenient

The switch sensors have a maximum mounting height of 5 metres but the largest detection range is achieved when the sensors are mounted at a height of 3 metres. With different housing dimensions (70 x 36.5 x 24.5 mm and 58 x 48.5 x 24.5 mm), both sensor models are suitable for various luminaires. A mounting frame means the sensors can be mounted directly in the luminaire housing. The sensors are particularly easy to install in modules that are already fitted with corresponding recesses for mounting, for example the CLE G3 ADV LED module. Thanks to the microwave technology, the sensors are also suitable for closed luminaires, because the high-frequency waves penetrate glass and other thin materials

(except for metal). Combining the sensors with the relevant LED drivers and their integrated functions, such as corridorFUNCTION, creates a sophisticated and cost-efficient lighting solution.

Image caption:

The compact smartSWITCH HF switch sensors have an extra-wide detection range and, as built-in devices, require very little space in the luminaire.

Press contact

Silvana Kegele
Tridonic GmbH & Co KG
Tel.: +43 5572 395 – 45109
silvana.kegele@tridonic.com

Markus Rademacher
Tridonic GmbH & Co KG
Tel.: +43 5572 395 – 45236
markus.rademacher@tridonic.com

About Tridonic

Tridonic is a world-leading supplier of lighting technology, supporting its customers with intelligent hardware and software that offer the highest level of quality, reliability and energy conservation. As a global driver of innovation in the field of light-based network technology, Tridonic develops scalable, future-oriented solutions that make new business models possible for light manufacturers, building managers, systems integrators, planners and many other types of customers.

To promote the vision of the “Internet of light”, Tridonic relies on partnerships with other specialists. The goal is the joint development of innovative technological solutions that convert lighting systems into intelligent networks and thereby enable associated services. Its far-reaching, sector-specific expertise makes Tridonic an ideal partner for established brands and for newcomers to the market.

Tridonic is the technology company of the Zumtobel Group and is headquartered in Dornbirn, Austria. In fiscal year 2017/18, Tridonic generated sales of EUR 352.7 million. 1,690 highly skilled employees and a worldwide sales presence in over 50 countries reflect the company's commitment to the development and deployment of new, smart and connected lighting systems.

www.tridonic.com