Exlux luminaires with Dali interface

Categories : Safety & Security

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R. Stahl puts its outstanding lighting technology expertise to good use, supporting plant operators during the planning, installation, programming and commissioning of digitally networked lighting systems in hazardous areas. Now, the explosion protection expert has expanded its range, adding modern explosion-protected lighting systems with Dali interfaces. The new Exlux variants correspond to the Dali standard according to IEC 62386 and are specifically designed for consistent lighting management for general and emergency lighting, even up to Zone 1 explosion protection. As well as safety and emergency lighting, the range includes particularly durable, energy efficient linear luminaires that can be installed as ceiling, pendant or pole mounted light fittings.

These luminaires, from the Exlux 6002/4, 6402/4, 6009/4 and 6409/4 ranges, are designed to function for over 100,000 operating hours at a maximum ambient temperature of +60 °C and achieve excellent light output values up to 145 lm/W. Thanks to the use of bidirectional Dali communication, around 200 programmable commands can be configured, allowing operators to set different intensity values and dimming behaviour for individual light fittings or luminaire groups. In addition, status and functional data can be transmitted to the bus master. The Dali standard makes it easier to integrate external sensors for presence or daylight control and offers additional functions for continuous data storage (NVM), device identification, light value detection and error diagnosis. The automatic retrieval of switching states, error messages and brightness values supports forward-looking maintenance concepts. For location-independent remote monitoring, data can be managed using a web browser or smartphone app. The safety and emergency lighting monitoring function encompasses both the light fittings and the battery status. This means that the Dali function is automatically switched off in a situation requiring emergency lighting. R. Stahl supplies its Dali light fitting variants as devices suitable for hard-wired networking using the Dali 24 V DC bus. Ex d protected empty enclosures are available for installing a Dali master in a hazardous area.