Product launch KNX DALI gateways KNX DALI L1 & L2 ind/gr/bc sec

# KNX-DALI gateways integrate lighting control and make it "KNX Secure"

## KNX DALI gateways connect lighting technology and KNX building bus system

Elsner Elektronik is expanding its product portfolio with new KNX-DALI gateways for flexible and energy-efficient lighting control. Support for KNX Secure ensures a high level of system security when integrating DALI lighting systems into KNX building automation. The interfaces help to implement individual lighting scenes via scenes and functions such as Human Centric Lighting (HCL) and colour transition.

A central feature is the support of Human Centric Lighting (HCL). This biodynamic lighting control simulates the natural course of daylight and thus positively supports the human biorhythm. The automatically changing colour temperature and brightness are intended to increase well-being and productivity in office and production buildings, for example. Artificial light makes people less dependent on the season and weather and, in shift work, even on the time of day. During working hours, cool, bright lighting that is similar to daylight promotes concentration and alertness. As the end of the working day approaches, the light changes to warm tones to initiate the recovery phase.

In addition, the Colour Transition function can be used to create gentle (RGB) colour changes for atmospheric lighting transitions. This allows individual colour requirements to be implemented, for example in meeting rooms or for specific occasions.

Lighting scenes can also be defined using scenes with the KNX DALI gateways. Brightness, colour temperature and light colour in the RGB(W) or HSV(W) colour space are then called up as required. Scenes allow the lighting to be used in a targeted manner and increase user comfort and the utility value of the building.

Depending on the model, the two KNX DALI gateways control 1× 64 DALI devices or 2× 64 DALI devices in individual, group or broadcast mode. The DALI settings are made in the KNX project via a DCA (Device Configuration App). The centralised setup in the ETS environment simplifies the implementation of modern DALI lighting systems in KNX projects. Individual and energy-efficient lighting concepts can thus be implemented in private and commercial buildings ranging from hotels, schools, administrative buildings and production facilities to residential complexes and detached houses.

## Further information about the KNX-DALI gateways can be found on the Elsner website at <https://www.elsner-elektronik.de/en/knx-dali-schnittstellen>.

## Image Texts:

*Elsner\_KNX-DALI-Gateway-L1.png  
The KNX-DALI gateway enables the lighting installation to be tested directly on the device using push-buttons.*

*EntranceHall\_shutterstock\_1763450336.jpg  
Lighting scenes in different functional areas of a hall are realised with DALI and are integrated into the overall KNX project.*