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DALI gateway Plus for KNX



Specification	Order No.	Packing unit	PS	EAN
 DRA	2180 00	1		4010337011064

Features

- Compatible with DALI and DALI-2 Standard.
- The DALI gateway Plus forms the interface between a KNX installation and a digital DALI lighting system.
- Control of max. 64 DALI operating devices as individual control, group control in max. 32 groups, or central control via a broadcast telegram (group 17 – 32 each with max. 2 operating devices).
- Manual operation of the devices also independent of the bus (also building site operation with broadcast control).
- Energy-saving function: Deactivation of the power supply to the DALI operating devices possible in a switched-off state (using additional switching actuator for KNX).
- 16 light scenes.
- The groups can be integrated in the light scenes.
- Effect control can be configured for max. 16 sequences in 1 to 500 run-throughs (or infinite).
- Feedback about DALI error status or short circuit and notification of power supply failure.
- Active or passive (object can be read out) cyclical feedback function.
- Group feedback of all switching conditions possible.
- Feedback can be delayed until after the recovery of bus voltage.

Group and device functions

- Switching and brightness value: Active (send to the bus in case of change or cyclically) or passive (object can be read out) feedback functions.
- Brightness range can be set.
- Bulb-saving switch-on and switch-off
- Dimming behaviour can be parameterised.
- Time functions (switch-on or switch-off delay, advanced staircase function – pre-warning function in accordance with DIN 18015-2 or reduced continuous lighting).
- Block function or alternatively forced setting function can be parameterised for each group. With block function, the flashing of light groups is possible.
- Readout of the DALI device status using KNX.
- Elapsed-hours meter as forward and backward counter with limit value evaluation.
- Online or offline configuration of the DALI devices using ETS plug-in.
- Replacement of an individual, defective DALI device is possible during operation without ETS.

Operation of emergency lighting

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- Suitable for operation in emergency lighting systems.
- Control and monitoring of individual-battery and centrally-supplied DALI emergency lighting systems.
- Support for DALI emergency light converters in accordance with EN 62386-202 (individual battery-operated emergency lights with DALI interface): Function test, continuous operation test, limited continuous operation test, query of the battery charge.

Technical data

KNX medium:	TP256
Rated voltage	
- AC:	AC 110 to 240 V, 50/60 Hz
- DC:	DC 110 to 240 V
Power loss:	max. 3 W
Connections	
- KNX:	Connection and junction terminal
- DALI:	Screw terminals
Cable lengths between gateway and operating device	
- Ø 1.5 mm²:	Max. 300 m
- Ø 1.0 mm²:	Max. 238 m
- Ø 0.75 mm²:	Max. 174 m
- Ø 0.5 mm²:	Max. 116 m
Connection cross section:	Max. 4 mm²
Ambient temperature:	-5 °C to +45 °C

Notes

- DALI-2 support from index level I06.
- Operation of emergency lighting systems:The legal and normative requirements vary from country to country. In any case, the user / professional planner should ensure that the specific guidelines are observed.
- VDE approval in accordance with EN 60669-1, EN 60669-2-1.
- Configuration and start-up of the device from ETS 4.1 (recommended) or with ETS 3 using version “d” or higher.

Scope of supply

- Connection and junction terminal for KNX included with delivery.

Dimensions

Modular width (MW):	4

Illustrations are similar and may deviate from originals.