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DALI gateway Tunable White Plus for KNX



Specification	Order No.	Packing unit	PS	EAN
	2108 00	-	-	4010337032878

Features

- Compatible with DALI and DALI-2 Standard.
- Control of lights and other applications with DALI operating device in KNX installations.
- Adjustment of the colour temperature for lights with a DALI device type 8 (colour type: colour temperature) for Tunable White in accordance with IEC 62386-209.
- Short-circuit protection, surge protection, overload protection.
- Switching and dimming of a maximum of 64 lights with DALI operating devices.
- Up to 6 different addressing types enable group-oriented or individually addressed control of DALI lights using KNX telegrams.
- Up to 32 independent DALI groups are available for group addressing. 64 individually addressable DALI device channels can be added to them.
- Control of DALI operating devices of device type “Colour Control” (DALI device type 8, colour type: colour temperature) in the specific configuration “Tunable White (TW)”. Control of colour temperature vial relative or absolute dimming and also via scenes and effects.
- Central control of all connected DALI components possible (broadcast).
- Manual operation independent of the bus (building site operation with broadcast control). Control of switching condition and brightness.
- Feedback about DALI error status or DALI short circuit and notification of power supply failure.
- Central switching function.
- Group feedback of all switching conditions possible.
- 16 light scenes.
- Effect control for realising dynamic lighting moods. 16 effects with up to 16 effect steps each. Timer enabling starting and stopping of effects independent of time and day of the week.

Group and device functions

- Switching and brightness value: Active or passive feedback functions.
- Setting brightness limits (minimum brightness or maximum brightness).
- Dimming behaviour and dimming characteristics can be parameterised.
- Bulb-saving switch-on and switch-off
- Block function or forced setting function can be parameterised.
- Time functions (switch-on/switch-off delay, staircase light function - also with advance warning function).
- Elapsed operating time meter.
- DALI power-ON level and DALI system-failure level can be adjusted.
- Reactions in case of bus voltage failure and restoration can be set following ETS programming process.
- Control of colour temperature via absolute dimming and relative dimming, dimming behaviour can be parameterised, adjustable minimum and maximum colour temperature, feedback for current and invalid colour temperature.

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Operation of emergency lighting

- Integration of the device into DALI emergency lighting systems. The DALI gateway is able to integrate DALI standard operating devices for lighting control systems in accordance with IEC 62386-101 (DALI system) and IEC 62386-102 (control gear) as an emergency light in centrally-powered emergency lighting systems.
- Monitoring for failure of the general power supply.
- Behaviour can be set for the end of emergency mode.
- Brightness and colour temperature adjustable during activate emergency mode.

ETS plug-in

- DALI start-up without additional software components. Identification, addressing and assignment of DALI operating devices occurs in the ETS plug-in.
- Assignment of individual devices to groups is also without programming connection to the device.
- Compatibility check of DALI device types during assignment of DALI operating devices.
- Compatibility mode to support non-DALI compliant operating devices.
- Partial DALI start-up.
- Test function for all DALI groups created or DALI operating devices.
- Exporting or importing a template.
- Printing function to create a report.

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 I03.
- 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 4.2 or ETS 5 (recommendation).

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Scope of supply

- Connection and junction terminal for KNX included with delivery.

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