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DALI Actuator Colour, 4-gang for Gira One and KNX



Specification	Order No.	Packing unit	PS	EAN
 DRA	2113 00	1		4010337128144

Features

(from September 2026 for Gira One server V4.0 and GPA V6.2)

- 4 independently controllable DALI-2 systems in broadcast mode.
- Connection of up to 128 DALI devices to the actuator.
- For each DALI system (outputs 1 to 4), a maximum DALI bus current of 80 mA is available for operating up to 40 DALI operating devices.
- Switching and dimming of DALI operating device (e.g. electronic ballast).
- Support for the control of DALI operating devices of the “Tunable White” device type (DALI Device Type 8 - TW).
- Support for the control of DALI operating devices of the “Colour Control” device type (DALI Device Type 8 - RGBW Colour Control).
- Connection of DALI-2 sensors as application controllers.

DALI outputs

- 4 independently controllable DALI-2 lighting control systems- Switching and dimming- DALI Tunable White (colour temperature control)- DALI RGB- DALI RGBW
- Minimum and maximum brightness can be set.
- Minimum and maximum colour temperature can be set.
- Switch on to the last brightness value or permanently set switch-on brightness.
- Setting of a switch-on or switch-off delay.
- Staircase function; a pre-warning time and pre-warning brightness can also be set.
- Feedback about DALI error status, DALI short circuit and notification of power supply failure.
- Standby switch-off of the connected electronic ballasts can be implemented.
- Manual actuation of the outputs.

Function in the Gira KNX system

- Simple broadcast control of DALI-2 lights and connection of DALI-2 sensors as application controllers
- Four independently controllable DALI systems.
- Connection of up to 128 DALI devices to the actuator.
- For each DALI system (outputs 1 to 4), a maximum DALI bus current of 80 mA is available for operating up to 40 DALI operating devices.
- Switching and dimming of DALI operating device (e.g. electronic ballast).
- Support for the control of DALI operating devices of the “Tunable White” device type (DALI Device Type 8 - TW). Colour temperature controlled via relative or absolute dimming and also via scenes. The colour temperature control is largely independent of the brightness control of the light sources used.
- Control of the light colour when using DALI operating devices of the “Colour Control” device type (DALI Device Type 8 - RGBW Colour Control). Flexible colour control in the “RGB”, “RGBW” or “HSV” colour spaces. In the RGB colour spaces, the colour can be controlled by relative or absolute dimming either via combined or separate communication objects according to the KNX specifications and additionally via scenes. In the “HSV” colour space, separate objects are available for absolute control of the light colour by hue (H), saturation (S) and brightness value (V) and are likewise additionally controllable via scenes.
- Automatic colour cycle: cyclical adjustment of the hue in the colour circle. This results in continuous colour gradients that can be started and stopped at any time during the runtime of the DALI actuator.
- Automatic brightness cycle: cyclical adjustment of brightness throughout the entire brightness range.
- Manual operation of the DALI systems independently of the bus (also building site operation with broadcast control), separately for the DALI systems. Control of the switching state and brightness.

Illustrations similar, actual device may vary.

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Technical data

Gira One Medium:	Twisted-Pair (TP), YCYM 2 x 2 x 0,8
KNX medium:	TP256
Current consumption:	3.0 to 4.0 mA
Rated voltage	
- AC:	AC 110 to 240 V, 50/60 Hz
- DC:	DC 110 to 240 V
Power loss:	max. 3 W
DALI rated voltage:	DC 15,2 V (typ.)
Output current per DALI system:	typ. 64 mA, max. 250 mA for short periods
Guaranteed bus current per DALI system:	80 mA
Max. number of addressableDALI operating devices	
- Per DALI system:	Max. 40
- Total for all DALI systems:	Max. 128
DALI transfer rate:	1.2 kbit/s
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

- Multimaster-compatible, meaning that additional DALI-2 sensors can be installed as application controllers in any DALI system.
- Installation on DIN top-hat rail.
- Integrated DALI power supply.
- Can be updated via the Gira Project Assistant (GPA).
- Programming and start-up with the Gira Project Assistant (GPA), from version 6.2.
- Encrypted data transfer between the Gira One devices.

Scope of supply

- Connection and junction terminal for KNX included with delivery.

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Dimensions

Modular width (MW):	4

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