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Dimming actuator, 4-gang Standard for Gira One and KNX



Specification	Order No.	Packing unit	GBP/piece without VAT	PS	EAN
 DRA	2015 00	1	433.80	66	4010337073345

Features

Function in the Gira One system

- Actuator for switching and dimming light bulbs, HV halogen lamps, dimmable HV LED lamps, dimmable compact fluorescent lamps, dimmable inductive transformers withLV halogen or LV LED lamps, dimmable electronic transformers with LV halogen or LV LED lamps.
- Automatic or manual selection of dimming principle according to load.
- Idle-state, short-circuit, and excess temperature-proof.
- Power extension using power boosters.
- Manual actuation of the outputs.
- Programming and start-up with the Gira Project Assistant (GPA), from version 5.0.
- Encrypted data transfer between the Gira One devices.

Dimming outputs

- Minimum and maximum brightness 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.

Function in the Gira KNX system

- Dim actuator with integrated bus coupler.
- Switching and dimming of light bulbs, HV halogen lamps, dimmable HV-LED lamps, dimmable compact fluorescent lamps, dimmable inductive transformers with LV halogen or NV-LED lamps, dimmable electronic transformers with LV halogen or NV-LED lamps.
- Manual actuation of the outputs independent of the bus.
- Temporary status display can be activated, link via communication object possible across several actuators.
- To simplify configuration, all existing dimming channels can be assigned to the same parameters in the ETS and hence identically parametrised.
- Actively transmitting feedback or status messages can be delayed globally after a bus voltage recovery or ETS programming operation.

Dimming outputs

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- Independent switching and dimming of the dimming outputs.
- The load type can be specified and the dimming principle defined: Universal (with automatic calibration procedure), electronic transformer (capacitive/trailing edge), conventional transformer (inductive/leading edge), LED (leading edge) or LED (trailing edge).
- Dimming characteristic curve per channel configurable in time and value range for adaptation to the respective connected load.
- Dimmable range can be set: Switch-on brightness, basic brightness and upper dimming limit.
- Performance on receipt of an absolute brightness value can be set (dimming, brightening, fading).
- Performance during relative dimming up in switched-off state can be set (switch channel on, no reaction).
- Switching feedback: Active (transmitting to the bus cyclically or when there is a change) or passive (object can be read out) feedback function.
- Reaction on bus voltage recovery can be set for each output.
- Blocking function can be parametrised for each channel.
- Time functions (switch-on delay, switch-off delay).
- Staircase light function with advance warning function via time-controlled reduction of lighting or activation of permanent lighting.
- Integration into light scenes possible: Up to 16 internal scenes can be parametrised per output.
- Delay time for scene retrieval can be configured.
- Dimming performance can be set when a new scene is called up (brightening, dimming, fading).
- Visual feedback when saving a scene.
- Brightness value feedback: Active (transmitting to the bus cyclically or when there is a change) or passive (object can be read out) feedback function.
- For active feedback objects, the type of update can be set (when the input object is changed or when the feedback value is changed). This allows visualizations to be adapted individually.

Technical data

KNX medium:	TP256
Gira One Medium:	Twisted pair YCYM 2 x 2 x 0.8
Test voltage:	4 kV (KNX/EIB bus line)
Rated voltage:	AC 110 to 230 V, 50/60 Hz
Max. connected load (AC 230 V) per channel	
- Light bulbs:	20 to 225 W
- HV halogen lamps:	20 to 225 W
- Wound electronic transformer:	20 to 210 VA
- Tronic transformer:	20 to 225 W
- Wound transformer with NV-LED:	20 to 100 VA
- electronic transformer with NV-LED:	typically 20 to 200 W
- HV LED lamps:	typically 1 to 200 W
- Compact fluorescent lamp:	typically 20 to 150 W
Connected load (AC 110 V) per channel	
- Light bulbs:	20 to 110 (120) W
- HV halogen lamps:	20 to 110 (120) W
- Wound electronic transformer:	20 to 110 VA
- Tronic transformer:	20 to 110 (120) W
- Wound transformer with NV-LED:	20 to 50 VA
- electronic transformer with NV-LED:	typically 20 to 50 (100) W
- HV LED lamps:	typically 1 to 18 (100) W
- Compact fluorescent lamp:	typically 20 to 40 (75) W
Connections	
- KNX:	Connection and junction terminal
- Gira One Bus:	Connection and junction terminal
- Load:	Screw terminals
Connection cross section:	Max. 4 mm²

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Notes

- VDE approval in accordance with EN 60669-1, EN 60669-2-1.
- The maximum connected load depends on the operating mode selected (leading edge or trailing edge). You will find more detailed information in the operating instructions.
- Power expansion using Gira power boosts.
- Installation on DIN top-hat rail.
- KNX Data Secure compatible.
- Fast application download (long frame support).
- Firmware can be updated using the Gira ETS Service App (additional software).
- Can be updated via the Gira Project Assistant (GPA).

Scope of supply

- Connection and junction terminal for KNX included with delivery.

Dimensions

Modular width (MW):	4
