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Dimming actuator, 1-gang 200 W with 3-gang binary input for Gira One and KNX



Specification	Order No.	Packing unit	PS	EAN
 Flush mounted	5065 00	1/5		4010337099260

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.
- 3 binary inputs for connection to conventional switches, buttons and motion detectors with zero-voltage contacts.
- The inputs are used to control Gira One actuators or to record status information.
- Automatic or manual selection of dimming principle according to load.
- Idle-state, short-circuit, and excess temperature-proof.
- Power extension using power boosters.
- Connection to an external temperature sensor possible at input 3.
- 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.

Binary inputs

- Single and double-surface operation can be configured for rocker buttons.
- Connection of rocker buttons parameterised with switching, dimming, shading and ventilation, scene call-up, staircase (motion detector), floor call, garage door and door opener functions.
- Connection of movement and presence detectors with zero-voltage relay outputs.
- Convenient group control of switching, dimming, shading and ventilation devices.
- Switching contact evaluation of wind, frost, brightness or rain sensors possible with zero-voltage relay contacts, in order to protect shading and ventilation devices from environmental influences.
- Window contact query and visualisation in the Smart Home App: An opened window will result in the activation of the frost protection heating mode after a 5 minutes has elapsed.
- Door contact query and visualisation in the Smart Home App: An open door results in the raising and locking of the blind or shutter.
- Query regarding a heating/cooling switchover on a heat pump, to allow the current operating mode (heating or cooling) to be forwarded to the heating controller.
- Switching contact display to show contact status in the Smart Home app.
- Configurable switching inputs that can be independently parameterised.
- Recording and comparison of temperature values via remote sensors (see accessories) at input 3.

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Function in the Gira KNX system

- 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.
- Automatic or manual selection of dimming principle according to load.
- Idle-state, short-circuit, and excess temperature-proof.
- Up to 8 independent logic functions for implementing simple or complex logical operations.
- Actively transmitting feedback or status messages can be delayed globally after a bus voltage recovery or ETS programming operation.

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 configurable in time and value range for adaptation to the connected load.
- Dimmable range can be set (switch-on brightness; basic brightness; alternatively: lower dimming limit 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).
- Central control function using up to 6 switching objects, 6 dimming objects and 6 value objects and collective feedback.
- Switching feedback: Active (transmitting to the bus cyclically or when there is a change) or passive (object can be read out) feedback function.
- 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.
- Feedback signals for short circuit, overload/mains power failure and load type (KNX-compliant and extended).
- Reaction in case of bus voltage failure/recovery can be set following an ETS programming process.
- Logical linking function for the output.
- Block function or alternative forced setting function can be parameterised.
- 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.
- Staircase function with time extension or variable staircase time allocation via communication object.
- Soft ON function and Soft OFF function can be set.
- Automatic switch-off can be set where brightness value < X % (with individual delay time).
- Integration into light scenes possible: Up to 64 internal scenes can be parametrised.
- 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.
- Extended scene retrieval.
- Elapsed operating time meter can be activated.
- Elapsed operating time meter as forward meter (with optional threshold value) or backward meter (with optional starting value).

Technical data

Rated voltage:	DC 21 to 32 V SELV
Gira One Medium:	Twisted pair (TP),YCYM 2 x 2 x 0.8
Test voltage:	4 kV (KNX/EIB bus line)
Connections	
- Gira One Bus:	Connection terminals to control line
- Inputs:	Connection terminals to control line
- Load:	Screw terminals
Connection cross section:	Max. 4 mm²
Inputs	
- Quantity:	3
Input type:	Zero-voltage

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Sampling voltage	
- Auxiliary inputs:	Approx. 5 V
Total length	
- Auxiliary input cable:	Max. 10 m
Max. connected load	
- Light bulbs:	20 to 230 W
- HV halogen lamps:	20 to 230 W
- Wound electronic transformer:	20 to 210 VA
- Tronic transformer:	20 to 230 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
Ambient temperature:	-5 °C to +45 °C

Notes

- 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 reduction when installed inwood or drywall -15%Multiple combinations -20%.
- Power expansion using Gira power boosts.
- Can be updated via the Gira Project Assistant (GPA)
- Factory default state: Operation of the dimming output possible via input 1 (brighter) and input 2 (darker).
