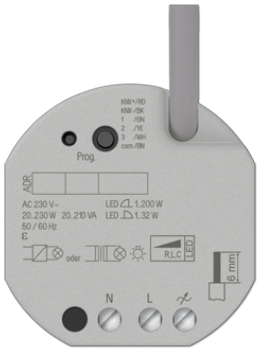
Product data sheet

Universal dimming actuator, 1-gang



Reference number
39001 1S U

KNX universal dimming actuator, 1-gang

ETS product family: Illumination
Product type: Dimmer

Intended use

- Switching and dimming of lighting
- Reading in switching states of installation switches or push-buttons and other floating contacts at inputs 1...3
- Signal evaluation of condensation (ref.-no.: BTS 01) and leakage sensors (ref.-no.: LES 01) at inputs 1...3
- Acquisition of temperature values via NTC temperature sensor at input 3 (ref.-no.: FF 7.8)
- Installation in flush box with dimensions according to DIN 49073

Product characteristics

- Output can be operated via KNX telegrams or extension inputs
- Three extension inputs for connecting floating contacts or dew/leakage sensors. NTC temperature sensor can be connected to input 3.
- Supply via bus, no additional power supply necessary
- KNX Data Secure compatible with ETS 5.7.3 or higher
- Can be updated with the ETS Service App

Dimming operation characteristic

- Automatic or manual setting of the dimming principle suitable for the load
- Protected against no-load, short-circuit and overheating
- Signal in the event of a short-circuit
- Feedback of the switching position and the dimming value
- Parameterisable switch-on and dimming behaviour
- Time functions: switch-on delay, switch-off delay, staircase lighting timer with pre-warning function
- Light scene operation
- Operating hours counter
- Power failure longer than approx. 5 seconds leads to switch-off of the dimmer actuator. Depending on the parameter setting, the connected load is calibrated after voltage return.
- Power extension possible by means of power boosters (ref.-no. ULZ 1755 REG)

Characteristics satellite input

- Operating functions switching, dimming (including colour temperature), controlling blinds, value transmitter (1 byte, 2 byte, 3 byte and 6 byte incl. RGBW und colour temperature presets), scene extension etc.
- Disabling function
- Debounce time adjustable

Logic function characteristics

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- Logic gates
- Transformer (conversion)
- Disabling element
- Comparator
- Limit value switch

Technical data

Rated voltage:	AC 230 V ~
Mains frequency:	50/60 Hz
Power loss:	max. 1.5 W
Stand-by power:	approx. 0.2 W
Ambient temperature:	–5 ... +45 °C
Stora/transport temperature:	–25 ... +70 °C
Dimensions (W x H x D):	48 x 50 x 28 mm
KNX medium:	TP 256
Commissioning mode:	S-mode
Rated voltage KNX:	DC 21 ... 32 V SELV
Current consumption KNX:	5 ... 18 mA
Connection, KNX:	connection terminal to control cable
Output	
Connection mode:	screw terminals
Rated voltage:	AC 230 / 240 V ~
The permissible load depends on the lamps connected and the type of load set.	
Leading edge phase control	
Incandescent / HV halogen lamps	20 ... 210 W
Inductive transformers:	20 ... 210 VA
Inductive transformers with LV LED:	20 ... 100 VA
Dimmable HV LED lamps:	1 ... 32 W
Trailing edge phase control	
Incandescent / HV halogen lamps	20 ... 230 W
Electronic transformers:	20 ... 230 W
Electronic transformers with LV LED:	20 ... 200 W
Dimmable HV LED lamps:	1 ... 200 W
Reduction of load	
for installation into wooden or hollow walls:	–15 %
for installation into multiple combinations:	–20 %
Connection	
Connection mode:	screw terminals
single wire:	1 x 0.5 ... 4 mm²
stranded without ferrule:	1 x 0.5 ... 4 mm²
stranded with ferrule:	1 x 0.5 ... 2.5 mm²
Inputs	
Control cable:	YY6x0.6 (preterminated)
Input type:	floating
Number:	3
Total length of extension unit cable:	max. 10 m
Cable type:	J-Y(St)Y (preferable)
Voltage satellite inputs:	approx. 5 V

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