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Control unit 1 – 10 V, 4-gang with manual actuation for KNX



Specification	Order No.	Packing unit	PS	EAN
 DRA	2224 00	1		4010337018858

Features

- The control unit switches and dims electrical devices that feature a 1–10 V interface.
- Five device configurations can be selected. This leads to the assignment of four individually-controllable dimming channels to the switching outputs (e.g. four dimming channels are assigned to one switching relay to control a RGBW light).
- Relay outputs that are not associated with a dimming channel can be used as freely-acting switching actuator channel.
- Reactions in case of bus voltage failure and restoration can be set following an ETS programming process.
- Manual actuation of the outputs independently of the bus with mechanical switching position indicator.
- Delay for actively transmitted feedback messages following bus voltage recovery.
- Logical linking function configurable per channel.
- Up to three central switching functions for the joint control of all dimming and switching channels.
- Switch-on times of the relay outputs can be recorded and evaluated by the elapsed-hours meter.
- Group feedback of all switching conditions possible.

Dimming channels

- Four individually-controllable dimming channels.
- Feedback on switching condition and brightness value.
- Dimmable brightness range can be set.
- Dimming behaviour and dimming characteristics can be parameterised.
- Soft switch-on and soft switch-off function
- Block function or forced setting function can be parameterised.
- Time functions (switch-on delay, switch-off delay, staircase light function). With the staircase light function, the reaction at the end of the switch-on time can be configured.
- Inclusion of a dimming channel in up to ten scenes is possible.
- The burning-in function allows for the commissioning of new fluorescent lamps prescribed by lighting manufacturers.

Switching actuator operation (optional)

- Independent switching of switch outputs A2 to A4.
- NO contact or NC contact operation.
- Feedback from the switching condition.
- Block function or forced setting function can be parameterised.
- Time functions (switch-on, switch-off delay, staircase light function - also with advance warning function).
- Can be integrated in the light scenes. Up to ten internal scenes per switching output are programmable.
- Cyclical monitoring of incoming switching telegram is configurable.

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Technical data

KNX medium:	TP256
Relay	
- Quantity:	4
- Contact:	1 x zero-voltage NO contact each, flip-flop
Control outputs	
- Control voltage:	1 to 10 V
- Control current per output:	max. 100 mA
- Cable length:	max. 500 m with 0.5 mm²
Switch outputs	
- Switching voltage:	AC 250/400 V
- Switching current 230 V AC1:	16 A
- Switching current 230 V AC3:	10 A
- Switching current 400 V AC1:	10 A
- Switching current 400 V AC3:	6 A
- Fluorescent lamps:	16 AX
Lamp loads	
- Light bulbs:	3680 W
- HV halogen lamps:	3680 W
- Wound electronic transformer:	2000 VA
- Tronic transformer:	2500 W
Fluorescent lamps T5/T8	
- Uncompensated:	3680 W
- parallel compensated:	2500 W/200 µF
- Duo-circuit:	3680 W/200 µF
Compact fluorescent lamps	
- Uncompensated:	3680 W
- parallel compensated:	2500 W/200 µF
Mercury-vapour lamps	
- Uncompensated:	3680 W
- parallel compensated:	3680 W/200 µF
Ambient temperature:	-5 °C to +45 °C
Connections	
- KNX:	Connection and junction terminal
- 1 – 10 V:	Screw terminals
- Load:	Screw terminals
Connection cross section:	Max. 4 mm²

Notes

- Electronic ballasts generate very high current spikes. For this reason, use a switch-on current limiter or a separate load contact for with greater loads.

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Scope of supply

- Connection and junction terminal for KNX included with delivery.

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