


## KNX control unit 1 – 10 V, 4-gang with manual actuation



Specification	Order No.	Packing unit	GBP/piece without VAT	PS	EAN
 DRA plus	2224 00	1	346,50	26	4010337018858

### Features

- The controller unit switches and dims electrical devices that have 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 outputs independent of the bus with mechanical switching position indication.
- 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 operating time 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 start-up 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

### Relay

- Number: 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 at 0.5 mm<sup>2</sup>

### Switching 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 transformer: 2000 VA
- Gira 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

- Connections: max. 4 mm<sup>2</sup>

- Dimensions: 4 HP
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## 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

- KNX connection and junction terminal included in the scope of supply.

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