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Room actuator for KNX



Specification	Order No.	Packing unit	PS	EAN
 DRA	2162 00	1	26	4010337059370

Features

- The room actuator controls three functions simultaneously in one device, such as lighting, blinds and heating. The four relay outputs can be set either to blind operation or to switching operation in the ETS (engineering tool software). Mixed operation is also possible.
- Two switch outputs make one blind output.
- In addition, there are two further electronic switch outputs for the control of valve drives.

Switching operation

- The room actuator uses its relay contacts to control electrical devices such as lighting systems. The relay contacts are bi-stable, which means that the last set switching condition remains unchanged even if the power supply fails.
- Functional features for each output: a wide spectrum of time functions, logical links, scenes, block functions or restraints, extended feedback, cyclical monitoring of incoming switching telegrams and an elapsed-hours meter.

Blind operation

- The room actuator uses its relay contacts to control electrically operated blinds, shutters, awnings, ventilation flaps, or similar hangings with a mains voltage of AC 230 V.
- Functional features for each output channel: separately parameterisable movement times, extended feedback functions, assignments of up to 5 various safety functions, a comprehensive solar protection function and the integrating in scenes or restraints.

Room temperature control

- Two additional electronic switching outputs are used for the silent control of thermal servos for heating and cooling systems.
- Continuous correcting variable telegrams are implemented in a pulse width modulated output signal (PWM). This enables the servos to be continuously controlled. Alternatively, implementing switching correcting variables is also possible. Status message for the valve position and cyclical monitoring of correcting variable telegrams.
- Emergency mode in case of bus voltage failure or bus/mains voltage recovery plus forced setting via bus telegram for summer and winter operation
- Alarm message in the event of a short circuit or switch output overload and anti-jamming protection for the valves. De-energised closed or open valve drives can be connected.
- Monitoring of mains voltage supply, and in cases of malfunction, the transmission of an alarm message on the bus.
- Group messages "all valves closed" and "largest correcting variable".

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Technical data

KNX medium:	TP256
Heating outputs	
- Switching contact:	Triac
- Quantity:	2
- Number of drives per output:	max. 4
- Switching current:	5 to 50 mA
- Maximum switch-on current:	1.5 A, 2 s
Switching contact:	µ contact, 4 x zero-voltage NO contact
Breaking capacity 230 V AC:	16 A / AC1 or 6 A / AC3
Maximum switch-on current	
- 200 µs:	800 A
- 20 ms:	165 A
Connected load	
- Ohmic load:	3000 W
- Capacitive load 230 V AC:	16 A, max. 140 µF
- Light bulbs:	3000 W
- HV halogen lamps:	2500 W
- Wound electronic transformer:	1200 VA
- Tronic transformer:	1500 W
- Fluorescent lamps, parallel-compensated:	1160 VA
- Mercury-vapour lamps, uncompensated:	1000 W
- Mercury-vapour lamps, parallel-compensated:	1160 W
- Motors (blind or fan):	1380 VA
Connections	
- KNX:	Connection and junction terminal
- Load:	Load via screw terminals
Connection cross section:	Max. 4 mm²

Notes

- VDE approval in accordance with EN 60669-1, EN 60669-2-1.
- Installation on DIN top-hat rail.

Scope of supply

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

Dimensions

Modular width (MW):	4

Illustrations are similar and may deviate from originals.