


KNX room actuator



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

Features

- The room actuator controls three functions simultaneously in one device, such as lighting, blind and heating. The four relay outputs can be set either for blind operation or alternatively for switching operation in the ETS (Engineering Tool Software). Mixed operation is also possible.
- Two switching outputs make one blind output.
- In addition, there are two further electronic switching outputs for the control of servos.

Switching operation

- The room actuator with its relay contacts controls electrical devices such as lighting systems. The relay contacts have flip-flop contacts, so that the last set switching condition remains unchanged even if the power supply fails.
- Functional properties 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 operating time 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 properties 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 further electronic switching outputs are used for silent operation of electro thermic servos for heating or cooling systems.
- Continuous correcting variable telegrams are implemented in a pulse width modulated output signal (PWM). With this the servos can 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 mode.
- An alarm is triggered in case of short circuit or overload of the switching output and position 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".

Technical data

KNX medium:	TP256
Heating outputs	
- Switching contact:	Triac
- Number:	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 each
Switching capacity AC 230 V:	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 AC 230 V:	16 A, max. 140 µF
- Light bulbs:	3000 W
- HV halogen lamps:	2500 W
- Wound transformer:	1200 VA
- Gira 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
Connections:	max. 4 mm ²

Notes

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

Scope of supply

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

Dimensions

Modular widths (MW):	4
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