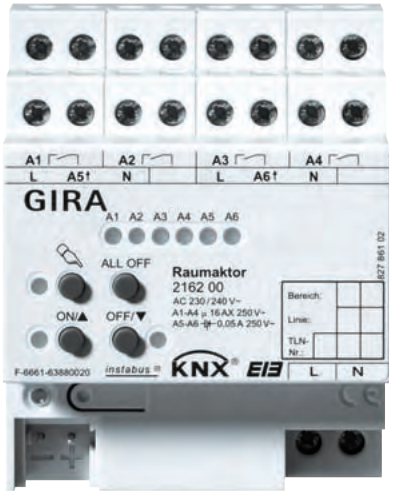
Gira Instabus KNX/EIB
Room Actuator
For the operation of electrical devices from a maximum of three different functions, e.g. light, blinds and heating.

GIRA

Gira Instabus KNX/EIB Room Actuator

Controls three functions simultaneously



Gira Instabus KNX/EIB room actuator

GIRA

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Gira Instabus KNX/EIB room actuator

The Gira room actuator controls electrical devices from a maximum of three different functions, for example light, blinds and heating, within a device. Corresponding systems can be used in living areas, offices or hotel rooms. The four relay outputs of the room actuator can be set either for blind operation or alternatively for switching operation in the ETS (Engineering Tool Software). Mixed operation is also possible. With the flexibility of the outputs, electrical installation can thus be planned and carried out according to room orientation. The practice-oriented software of the Gira room actuator is based upon the functions of the familiar Gira switching and blind actuators, so that unified programming is assured in combination with other Gira actuators.

Blind operation

With blind operation, the room actuator with its relay contacts controls electrically operated blinds, shutters, awnings, ventilation flaps and similar hangings with a mains voltage of 230 V AC.

The functional features that can be set via the ETS independently of all output channels with blind operation include e.g. separately configurable movement times, extended feedback functions, assignments of up to five different safety functions, a comprehensive solar protection function and integration into scenes or restraints.

Switching operation

In switching operation, the room actuator controls electrical devices such as lighting systems. Relays have flip-flop contacts, so that the last set switching condition remains unchanged even with failure of the power supply.

In switching operation, functional features for each output include, for example, a wide spectrum of time functions, logical links, scenes, block functions or restraints, extended feedback, cyclical monitoring of incoming switching telegrams and an operating hour counter.

Room temperature control

In addition, two further electronic switching outputs can be occupied. These are used for silent operation of electrothermic valve drives for heating or cooling systems. The following functionality applies for each: Continuous corrected variable telegrams are implemented in a pulse width modulated output signal (PWM). With this the valve drives can be continuously controlled. Alternatively possible is the implementation of corrected variables to be switched. Additional features: A status message for the valve position and cyclical monitoring of corrected variable telegrams.

Further details for room temperature control

- Emergency mode in case of bus voltage failure or bus/mains voltage restoration plus forced setting via bus telegram for summer and winter operation

- Alarm signal in case of short circuit or overload of the switch 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

For both electronic switching outputs, the status messages "all valves are closed" and "largest corrected variable" can be transmitted on the bus. This enables further processing or display of information in other bus devices.

Technical data

Outputs A1 – A4
Contact type:
Zero-voltage NO contact, flip-flop
AC switching voltage:
230 V AC
Switching capacity AC1:
16 A
Ohmic load:
3000 W
Capacitive load:
16 A, max. 140 µF

Outputs A5 and A6
Contact type:
Semiconductor (Triac)
AC switching voltage:
230 V AC
Switching current:
5 mA – 50 mA
Number of drives per output:
max. 4

KNX

Dimensions

DRA device with 4 HP

Order No. 2162 00

Subject to technical modifications

Further information is available from the Gira catalogue or on the Internet at www.gira.com

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