Technical data sheet SGA24

Positioners suitable for use with the modulating damper actuators LM..A-SR, NM..A-SR, SM..A-SR and GM..A-SR

- **For surface mounting**

Technical data

Electrical data	Nominal voltage	AC/DC 24 V
	Nominal voltage frequency	50/60 Hz
	Nominal voltage range	AC 19.2...28.8 V / DC 19.2...28.8 V
	Power consumption in operation	0.3 W
	Power consumption for wire sizing	1 VA
	Output power note	for a maximum of 10 actuators
	Connection supply / control	Terminals 1.5 mm²
Functional data	Positioning signal Y	DC 2...10 V
	Positioning signal Y note	DC 0...10 V switchable with slide switch
	Control operating range Y note	Operating range selectable DC 0...10V or DC 2...10 V
	Scale	0…100% (angle of rotation can be limited mechanically with rotary knob)
Safety	Protection class IEC/EN	III Safety Extra-Low Voltage (SELV)
	Degree of protection IEC/EN	IP40 (IP54 with cable glands)
	EMC	CE according to 2014/30/EU
	Mode of operation	Type 1.B
	Ambient temperature	-20...50°C
	Non-operating temperature	-40...80°C
	Humidity test	According to EN60730-1
	Maintenance	Maintenance-free
Weight	Weight	0.16 kg

Safety notes

- The device must not be used outside the specified field of application, especially not in aircraft or in any other airborne means of transport.
- Only authorised specialists may carry out installation. All applicable legal or institutional installation regulations must be complied during installation.
- The device may only be opened at the manufacturer's site. It does not contain any parts that can be replaced or repaired by the user.
- The device contains electrical and electronic components and must not be disposed of as household refuse. All locally valid regulations and requirements must be observed.

Product features

Application

The positioner is used for the (remote) control of modulating damper actuators or as a minimum positioner (lower limitation of output signals from modulating controllers). The adjustment range is 0 ... 100% angle of rotation of the connected actuator.

Wide setting range

The positioner is supplied with operating voltage via terminals 1 and 2. Proportional. Proportionate to the position of the rotary knob, a positioning signal Y is generated which is either DC 2 ... 10V or DC 0 ... 10V or a position change occurs at the actuator within the range of 0 ... 100% (Min … Max). The angle of rotation of the adjustment knob can be subjected to mechanical limitation.

Simple changeover

The switching from DC 2 ... 10 V to DC 0 ... 10 V is accomplished by means of a slide switch on the printed circuit board.

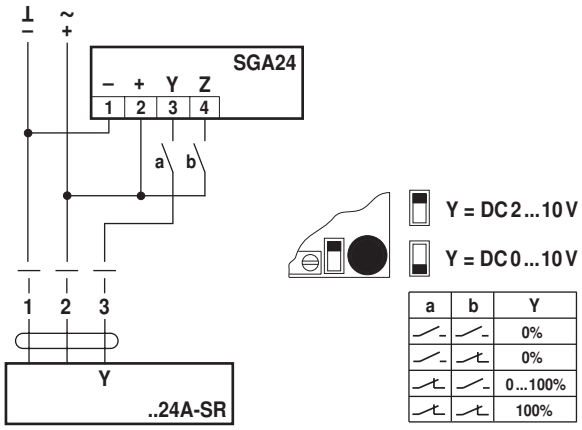
Electrical installation

Notes

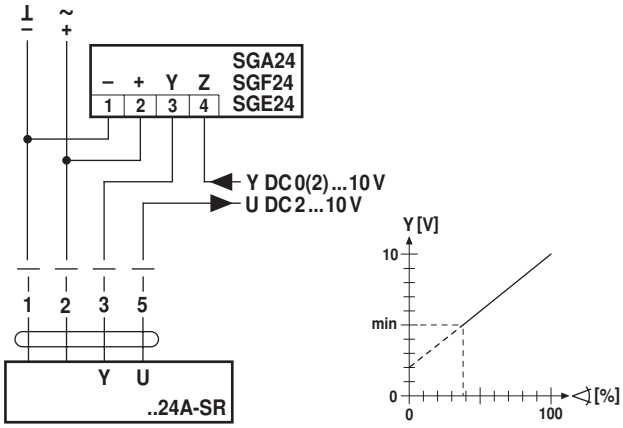
- Connection via safety isolating transformer.

Wiring diagrams

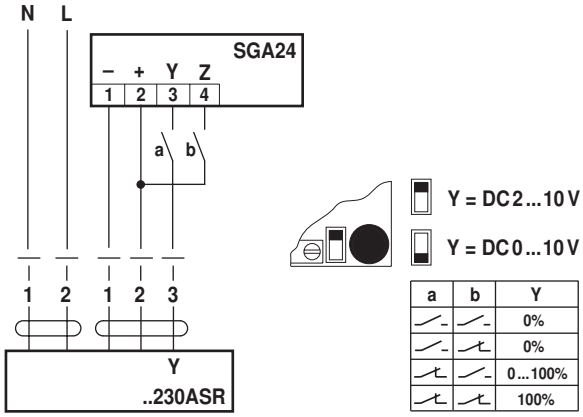
AC/DC 24 V



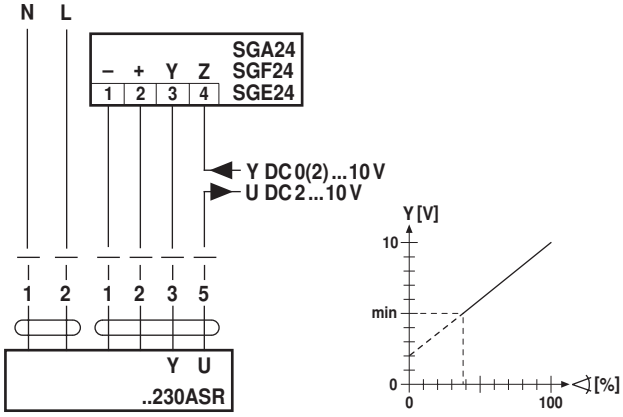
AC/DC 24 V, Minimum limit



AC 230 V



AC 230 V, Minimum limit



Dimensions [mm]

Dimensional drawings