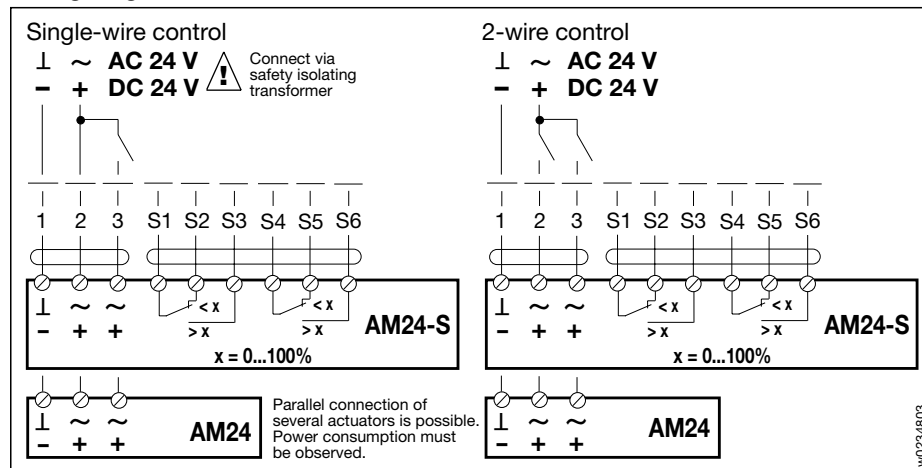


p0056002

Wiring diagram



w0234803

Technical data	AM24, AM24-S
Nominal voltage	AC 24 V 50/60 Hz, DC 24 V
Nominal voltage range	AC 19.2...28.8 V, DC 21.6...28.8 V
For wire sizing	4.5 VA (I _{max} 2.7 A @ 5 ms)
Power consumption	2.5 W
Connecting cable	– motor 1 m long, 3 x 0.75 mm ² – auxiliary switch (AM24-S) 1 m long, 6 x 0.75 mm ² (direct connection by screw terminals for 2 x 1.5 mm ² wire possible)
Cable glands	– AM24 1 x for motor lead 6...7 mm dia.
PG11 included	– AM24-S 1 x for motor lead 6...7 mm dia. 1 x for switch lead 8...9 mm dia.
Auxiliary switch (AM24-S)	2 x SPDT 6 (1.5) A, AC 250 V □
– Switching point	adjustable 0...100% < x
Direction of rotation	selected with L / R switch
Manual operation	pushbutton, auto-return
Torque	min. 18 Nm (at rated voltage)
Angle of rotation	max. 95° (adjustable 35...100% by mechanical stops)
Running time	100...150 s (0...18 Nm)
Sound power level	max. 45 dB (A)
Position indication	mechanical
Protection class	◇ (safety low voltage)
Degree of protection	IP 54 (bottom cable entry)
Ambient temp. range	–30...+50°C
Non-operating temp.	–40...+80°C
Humidity test	according to EN 60335-1
EMC	CE according to 89/336/EEC, 92/31/EEC, 93/68/EEC
Low Voltage Directive	CE according to 73/23/EEC
Maintenance	maintenance-free
Weight	1300 g

Dampers up to approx. 3.6 m²

Open/Close actuator (AC/DC 24 V)

Single-wire or 2-wire control

Multi-function connection

Application

The AM24(-S) is intended for operation of air control dampers in HVAC systems.

Mode of operation

Open / Close control by single-wire or 2-wire system.

Product features

Simple direct mounting on the damper spindle by universal spindle clamp. An anti-rotation device is supplied.

Manual operation by self-resetting push-button when necessary (gearing disengaged while the button is held depressed).

Adjustable angle of rotation with mechanical stops.

High functional reliability (overload-proof) needs no limit switches, halts automatically at the end stops.

Flexible signalling 0...100%, with 2 adjustable auxiliary switches (AM24-S only).

Connection is either by means of the pre-fitted leads included with the actuator or directly by means of screw terminals. In the case of direct connection terminal box will be opened (page 15/16).

Electrical accessories

SA1, SA2 Auxiliary switches, page 17
PA... Feedback potentiometer, page 18

Mechanical accessories, page 22

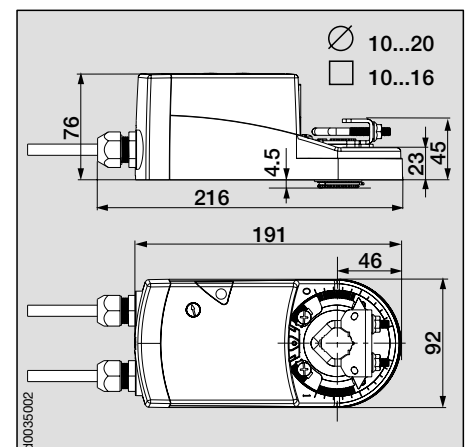
ZG-AM Damper linkage kit

Mounting instructions, page 21/22

Adjusting auxiliary switch AM24-S, page 7

Important: Read the notes about the use and torque requirements of the damper actuators on page 3.

Dimensions



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