

Spring-return actuator for adjusting dampers with safety functions (e.g. frost and smoke control, hygiene, etc.) in technical building installation

- Damper size up to approx. 0.5 m²
- Nominal torque 2.5 Nm
- Nominal voltage AC/DC 24 V
- · Control: modulating DC 0 V ... 10 V
- Position feedback DC 2 V ... 10 V





Technical data		
Electrical data	Nominal voltage	AC/DC 24 V
	Nominal voltage frequency	50/60 Hz
	Nominal voltage range	AC 19.2 V 28.8 V / DC 21.6 V 28.8 V
	Power consumption in operation	2.5 W
	Power consumption in rest position	1 W
	Power consumption for wire sizing	4 VA
	Connection supply / control	Cable 1 m, 4 x 0.75 mm ²
Functional data	Torque motor	Min. 2.5 Nm
	Torque spring-return	Min. 2.5 Nm
	Positioning signal Y	DC 010 V
	Positioning signal Y note	Typical input impedance 100 kΩ
	Operating range Y	DC 210 V
	Position feedback U	DC 210 V
	Position feedback U note	Max. 0.5 mA
	Direction of rotation motor	As an option with switch R / L
	Direction of rotation spring-return	Can be selected by mounting L / R
	Angle of rotation	Max. 95° adjustable 37 100% with integrated
		mechanical limitation
	Running time motor	150 s / 90°
	Running time emergency control function	<25 s / 90°
	Sound power level motor max.	35 dB (A)
	Spindle driver	Universal spindle clamp 612 mm
	Position indication	Mechanical
	Service life	Min. 60,000 security settings
Safety	Protection class IEC/EN	III Safety extra-low voltage
	Degree of protection IEC/EN	IP42 in all mounting positions
	EMC	CE according to 2004/108/EC
	Certification IEC/EN	Certified to: IEC/EN 60730-1 and IEC/EN
		60730-2-14
	Principle of operation	Type 1.AA
	Overvoltage category	III

Safety notes



Weight

 The spring-return actuator is not allowed to be used outside the specified field of application, especially in aircraft or in any other airborne means of transport.

0.6 kg

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-30°C ... 50°C

-40°C ... 80°C

Maintenance-free

95% r.h., non-condensing

- Only authorised specialists may carry out installation. All applicable legal or institutional installation regulations must be complied with 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 cable must not be removed from the device.

Control pollution degree

Ambient temperature

Non-operating temperature

Ambient humidity

Maintenance

Weight approx.



Safety notes

 The device contains electrical and electronic components and is not allowed to be disposed of as household refuse. All locally valid regulations and requirements must be observed.

Product features

Principle of operation The actuator is connected with a standard modulating signal DC 0 ... 10 V. The

actuator moves the damper to the operating position at the same time as tensioning the return spring. The damper is turned back to the emergency position by spring

energy when the supply voltage is interrupted.

Direct mounting Simple direct mounting on the damper spindle with a universal spindle clamp, supplied

with a universal mounting bracket to prevent the actuator from rotating.

High functional reliability The actuator is overload protected, requires no limit switches and automatically stops

when the end stop is reached.

Electrical installation

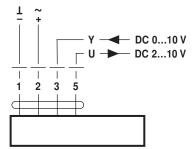


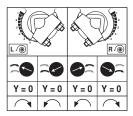
Notes

- · Connection via safety isolating transformer.
- Parallel connection of other actuators possible. Observe the performance data.

Wiring diagrams

AC/DC 24V, modulating





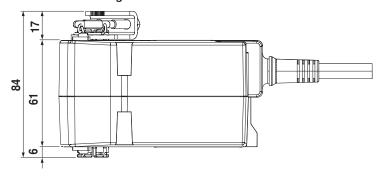
Cable colours:

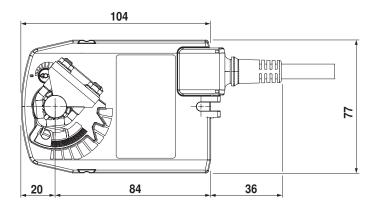
- 1 = black
- 2 = red
- 3 = white
- 5 = orange



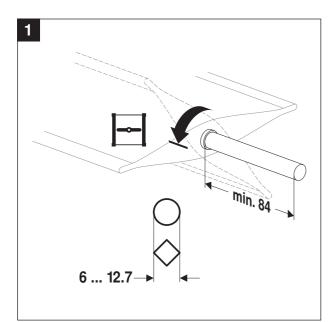
Dimensions [mm]

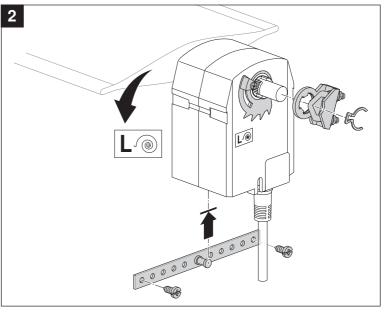
Dimensional drawings

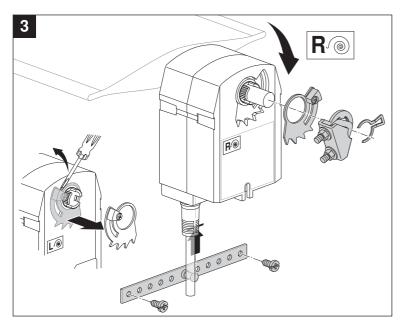


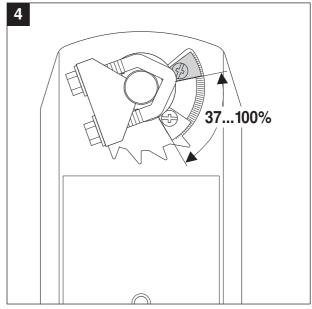


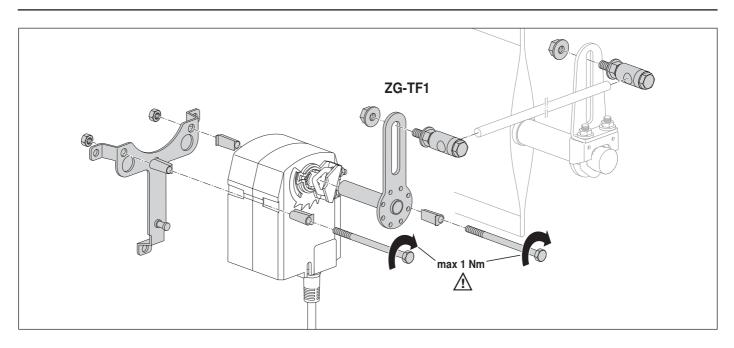












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