

Rotary actuator in connection with a mounting kit for the motorisation of the most common mixing valves in HVAC systems

- Torque motor 5 Nm
- Nominal voltage AC 230 V
- Control 3-point
- Running time motor 140 s



Technical data

Electrical data	Nominal voltage	AC 230 V	
	Nominal voltage frequency	50/60 Hz	
	Nominal voltage range	AC 198264 V	
	Power consumption in operation	2.5 W	
	Power consumption for wire sizing	2.5 VA	
	Connection supply / control	Cable 1 m, 3x 0.75 mm ²	
	Parallel operation	No	
Functional data	Torque motor	5 Nm	
	Direction of motion motor	clockwise rotation	
	Manual override	temporary and permanent gear train disengagement with rotary knob on the housing	
	Angle of rotation	90°	
	Running time motor	140 s / 90°	
	Sound power level, motor	37 dB(A)	
	Duty cycle value	75% (= active time 140 s / operating time 187 s)	
	Position indication	Reversible scale plate	
Safety data	Protection class IEC/EN	II, reinforced insulation	
	Degree of protection IEC/EN	IP40	
	EMC	CE according to 2014/30/EU	
	Low voltage directive	CE according to 2014/35/EU	
	Type of action	Туре 1	
	Rated impulse voltage supply / control	4 kV	
	Pollution degree	3	
	Ambient humidity	Max. 95% RH, non-condensing	
	Ambient temperature	050°C [32122°F]	
	Storage temperature	-3080°C [-22176°F]	
	Servicing	maintenance-free	
Weight	Weight	0.41 kg	
Housing colours	Housing cover	orange	
	Housing base	orange	



Safety notes

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• This device has been designed for use in stationary heating, ventilation and air-conditioning systems and must not be used outside the specified field of application, especially in aircraft or in any other airborne means of transport.

- The actuator is to be protected against moisture. It is not suitable for outdoor applications.
- To calculate the torque required, the specifications supplied by the mixing valve manufacturer must be observed.
- Only authorised specialists may carry out installation. All applicable legal or institutional installation regulations must be complied with during installation.
- The installer must check for correct principle of operation after installation.
- The device 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.
- Caution: Power supply voltage!

Product features

Operating mode	The actuator is activated with a 3-point signal.
Simple direct mounting	Simple direct mounting with only one screw. The stud bolt included in delivery serves as an anti-rotation device. The mounting orientation can be freely selected in steps of 90°.
Manual override	Manual override with lever possible. Temporary gear train disengagement by pushing the rotary knob. Permanent disengagement by pushing and simultaneous rotating the rotary knob clockwise 90°.
High functional reliability	The actuator switches off automatically when the end stops are reached.

Accessories

Electrical accessories	Description	
	Auxiliary switch 1x SPDT for 3-point HT actuators with cable connection	SNR
Mechanical accessories	Description	
	Mounting kit for LK mixing valve	MS-NRA
	Mounting kit for Barberi mixing valves	MS-NRB
	Mounting kit for Honeywell/Centra DRMA mixing valves	MS-NRC
	Mounting kit for Honeywell/Centra DRU mixing valves	MS-NRC1
	Mounting kit for mixing valves with 12 mm round shaft	MS-NRE
	Mounting kit for ESBE mixing valves VRG/VRB/VRH	MS-NRE6
	Mounting kit for Hora mixing valves	MS-NRH
	Mounting kit for Siemens/Landis&Stäfa mixing valves VCI/VBG/VBF	MS-NRL
	Mounting kit for Lazzari mixing valves	MS-NRLA
	Mounting kit for Lovato mixing valves	MS-NRLC
	Mounting kit for Satchwell MB mixing valves	MS-NRS
	Mounting kit for Satchwell MBF mixing valves	MS-NRSF

Electrical installation



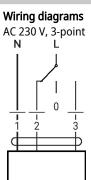
Caution: Power supply voltage!

Wire colours:

- 1 = blue
- 2 = brown
- 3 = white



Electrical installation



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Dimensions

