



SECURITY FIRE

2-POINT Spring-return actuator for Fire Dampers

3.20

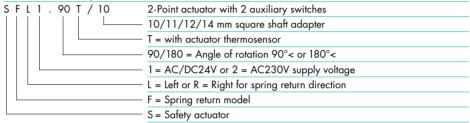
Application

The JOVENTA SECURITY FIRE electric, spring return damperactuator series has been specially developed for the motorized operation of safety dampers e.g. fire and smoke protection dampers. When the control signal is applied the actuator drives the damper to the operational position, while evenly tensioning the integrated spring. After a power failure the stored energy in the spring immediately brings the damper to the safety position. Manual operation is automatically cancelled when the actuator is in electrical operation.

Key features

- 2-point control
- 2 auxiliary switches See back page for settings
- 10/11/12/14 mm steel adapter for square shaft
- Plug in terminal block connection
- Direct connection of ST1.72N or ST1.90N temperature sensor to monitor shaft internal temp. Switch point of temperature sensor ca. 72°C or ca. 90°C
- Actuator temperature sensor to monitor ambient temperature, switch point of temperature sensor ca. 72°C
- Low noise level
- Manual operation with crank handle
- Energy saving at end positions
- Actuators available with 1m halogen-free cable
- Customized versions available
- Devices meet CE requirements

Nomenclature/Specification/Technical data

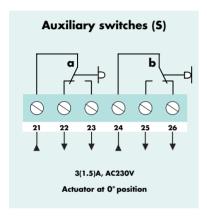


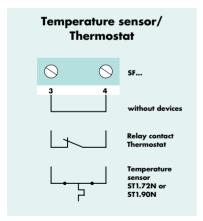
Actuator	SF1.90	SF1.180	SF2.90	SF2.180	
Torque	16 Nm	10 Nm	16 Nm	10 Nm	
Damper area*	(m²) Per manufacturer's information				
Running time Motor	90120 s	120150 s	90120 s	120150 s	
Running time Spring return	10 s	10 s	10 s	10 s	
Supply voltage	24 VAC/DC	24 VAC/DC	AC230V	AC230V	
Frequency	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	
Power consumption					
- Running	10.0 W	10.0 W	8.0 W	8.0	
- At end position	4.0 W	4.0 W	4.5 W	4.5	
Dimensioning	18.0 / 4 A @ 2 msec 13.0 / 0.3 A @ 2 msec				
Weight	2.7	2.7	2.9	2.9	
Control signal	2-point	2-point	2-point	2-point	
Position signal	None	None	None	None	
Angle of rotation / working range	90°	180°	90°	180°	
Angle of rotation / limitation	None	None	None	None	
Service lifetime	60,000 rotatio	60,000 rotations			
Auxiliary switches	3(1.5)A, AC230V				
Noise level	50 dB (A)				
Protection class	II				
Degree of protection	IP 54				
Cable aperture connection	PG11				
Mode of action	Type 1				
Ambient conditions:					
- Operating temperature	−20+50°C / IEC 721-3-3				
- Storage temperature	−30+60°C / IEC 721-3-2				
- Humidity	595% r.F.				
Service	Maintenance free				
Standards	Mechanics	EN 60	529 / EN 60 7	30-2-14	
	Electronics	EN 60	730-2-14		
	EMC Emission	s EN 50	081-1:92 / IEC	61 000-6-3:96	
	EMC Immunity	EN 50	082-2:95 / IEC	61 000-6-2:99	

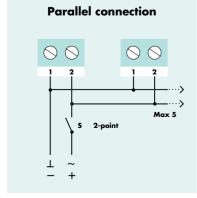
 $^{^{\}star}$ Caution: Please note damper manufacturer's information concerning the open/close torque.



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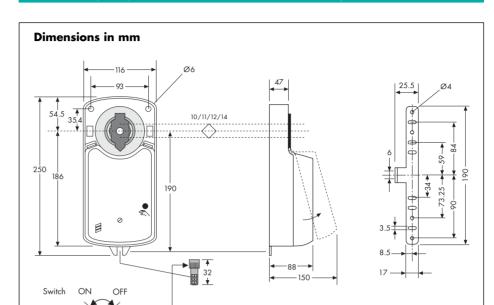


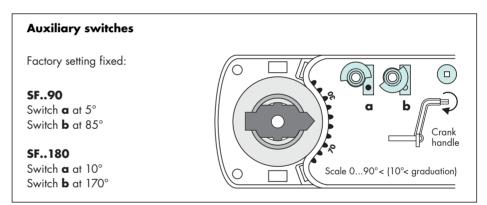


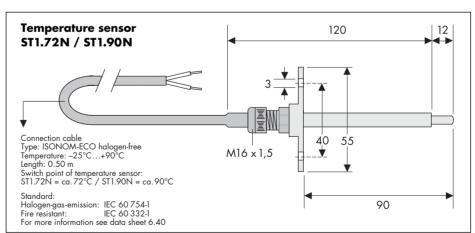


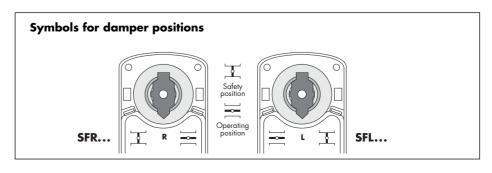
For details of installation and commissioning see Manual 3.20

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