



SECURITY SMOKE

2-POINT actuator for Smoke Dampers

3.21

Application

The JOVENTA SECURITY SMOKE electric damper-actuator series have been specially developed for the motorized operation of smoke extraction dampers.

The actuator drives the damper to the safety position (damper open).

In the event of a power loss, the gears are mechanically locked.

In doing so, this actuator, meets the demands of DIN V 18232 T6.

Key features

- 2-point control
- Load-independent running time
- 2 adjustable auxiliary switches
See back page for settings
- 10/11/12/14 mm steel adapter for square shaft
- Plug-in terminal block connection
- Manual operation with crank handle
- Energy saving at end positions
- Mechanical locking
- Customized versions available
- Devices meet CE requirements

Nomenclature/Specification/Technical data

S E L 1 . 90 / 10	2-Point actuator with 2 auxiliary switches
	10/11/12/14 mm square shaft adapter
	90 = 90° rotation angle
	1 = AC/DC24V or 2 = AC230V supply voltage
	L = Left or R = Right for direction of rotation in safety position
	E = Smoke Extraction
	S = Safety actuator

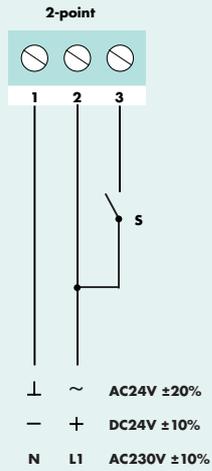
Actuator	SE..1.90/..	SE..2.90/..
Torque	40 Nm	40 Nm
Damper area*	(m ²) Per manufacturers information	
Running time ON	60 s	60 s
Running time OFF	60 s	60 s
Supply voltage	AC/DC24V	AC230V
Frequency	50-60 Hz	50-60 Hz
Power consumption		
- Running	7.0 W	12.0 W
- At end position	0.7 W	3.7 W
Dimensioning	13.0V / 3.5A @ 2 ms	13.0V / 0.7A @ 2 ms
Weight	2.7 kg	2.9 kg
Control signal	2-point	2-point
Position signal	None	None
Angle of rotation / working range	90°	90°
Angle of rotation / limitation	None	None
Service lifetime	On/Off	10,000 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	5...95% r.F.	
Service	Maintenance free	
Standards	Mechanics	EN 60 529 / EN 60 730-2-14
	Electronics	EN 60 730-2-14
	EMC Emissions	EN 50 081-1:92 / IEC 61 000-6-3:96
	EMC Immunity	EN 50 082-2:95 / IEC 61 000-6-2:99

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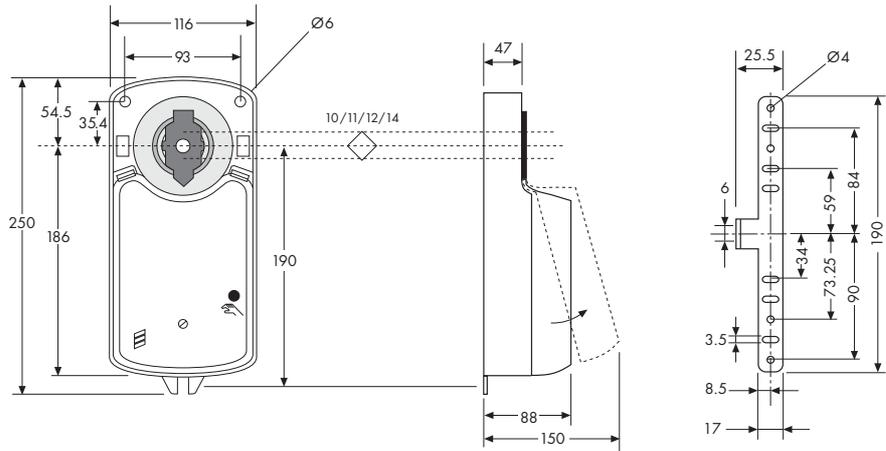
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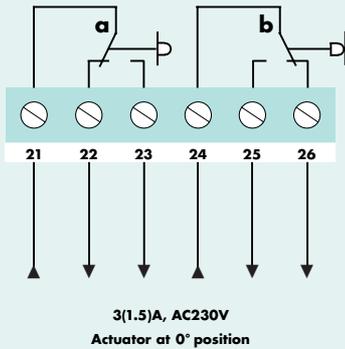
Wiring Diagram



Dimensions in mm



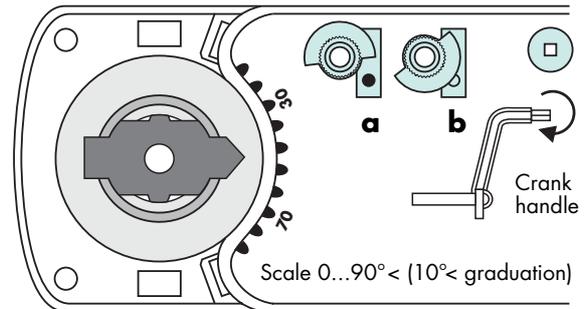
Auxiliary switches (S)



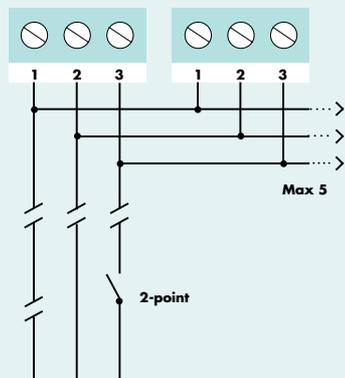
Auxiliary switches

Factory setting fixed:

SE..90
Switch **a** at 5°
Switch **b** at 85°



Parallel connection



Symbols for damper positions

