

Fire and smoke spring return damper actuator, 3 Nm

ST3



Description

Damper actuator serie ST3 to operate and position air dampers in HVAC systems.

- For air dampers up to approx. 0,6 m²
- Nominal voltage 24 V AC/DC and 100...240 V AC
- Control: 2-point, on-off
- Characteristics: shaft dimensions standard □12/12 mm square, minimum shaft length 90 mm, anti-rotation bracket provided for stability, selectable direction of rotation, 2 not adjustable SPDT auxiliary switches, 1 m cable connection, thermal duct sensor included.



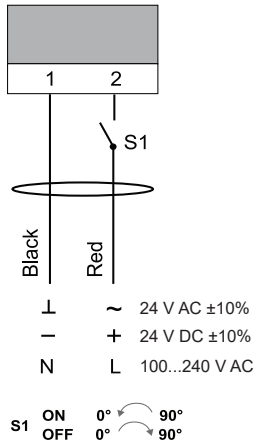
Technical features

Actuator model		ST3AT	ST3BT
Damper area	m ²		0,6
Nominal torque	Nm		3
Power supply	V	24 AC/DC	100...240 AC
Frequency	Hz		50/60
Power consumption			
- in operation	W		5
- at rest	W		3
- for wire sizing	VA		7,0
Running time for motor	s		<75
Running time for spring	s		< 25
Sound power level	db (A)		45
Control signal		2 point, on-off	
Auxiliary switch rating		3 (1,5) A, AC 230 V	
Life cycle	cycles		60.000
Rotation angle			
- operating		90° (95° mechanical)	
- limitation		5-85° (steps of 5°)	
Thermal temperature trip		> 72°	
Protection class		III	II
Protection degree		IP54	
Working temperature °C		-20...+50° C	
Working humidity RH		5...95% RH, non-condensating	
Storage temperature		-30...+80° C	
Maintenance		free	
Weight	g		<1300
Standards		CE-conformity, RoHs	

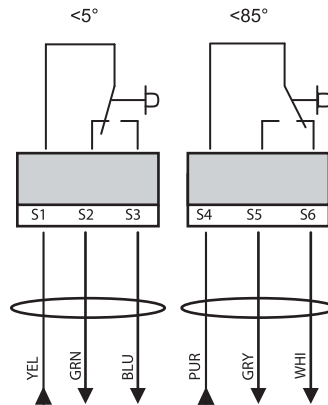


Electrical wirings

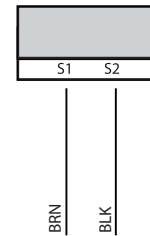
Wiring diagram



Auxiliary switches

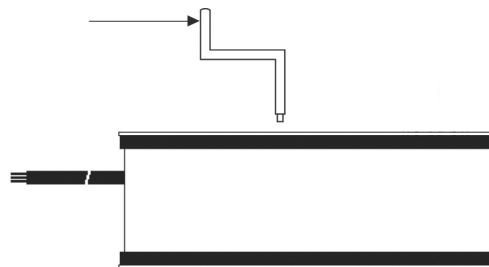


Thermal sensor

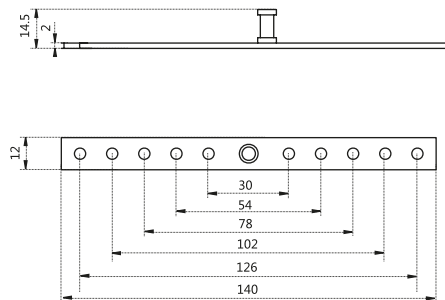
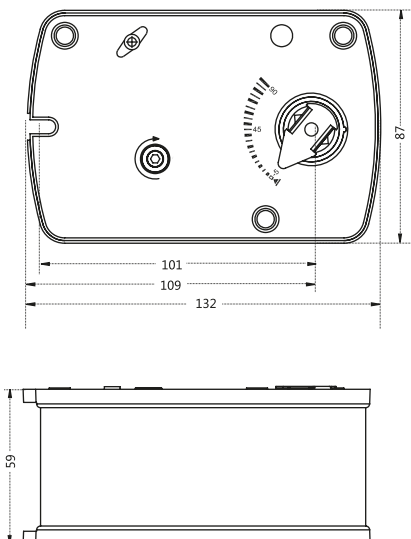


Setting

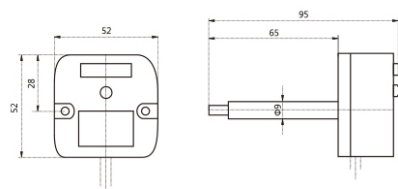
Manual override



Dimensions (mm)



Thermal sensor



The thermal sensor controls the temperature in two areas: room and duct. The damper actuator will open when the temperature reaches 72°C in one of the two zones. There is a test button on the sensor.