Fire and smoke spring return damper actuator, 10 Nm

ST10

Description

Damper actuator serie ST10 to operate and position air dampers in HVAC systems.

- For air dampers up to approx. 1,5 m^2
- Nominal voltage 24 V AC/DC and 100...240 V AC
- Control: 2-point, on-off
- Caracteristics: shaft dimensions ☐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.

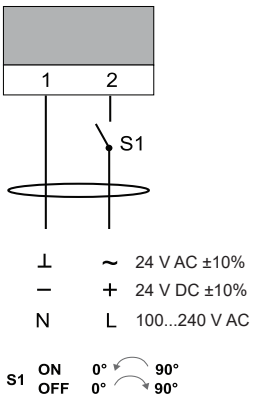


Technical features

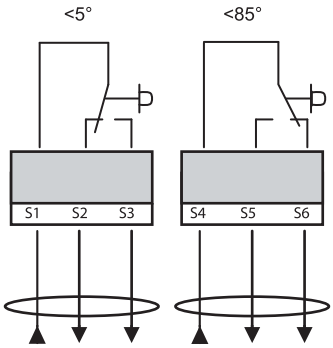
Actuator model		ST10AT	ST10BT
Damper area	m^2	1,5	
Nominal torque	Nm	10	
Power supply	V	24 AC/DC	100...240 AC
Frequency	Hz	50/60	
Power consumption			
- in operation	W	5	
- at rest	W	3	
- for wire sizing	VA	7,0	
Running time for motor	s	<100	75...95
Running time for spring	s	< 25	
Sound power level	db (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 range		-30...+80° C	
Maintenance		free	
Weight	g	<2300	
Standards		CE-conformity, RoHs	

Electrical wirings

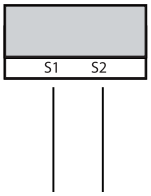
Wiring diagram



Auxiliary switches

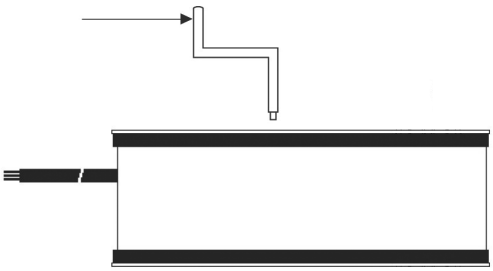


Thermal sensor



Setting

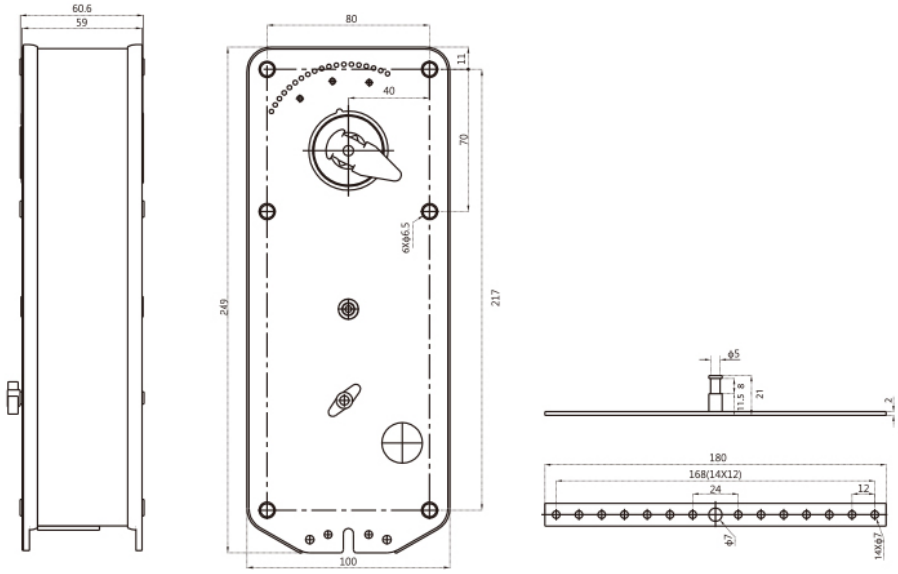
Manual override



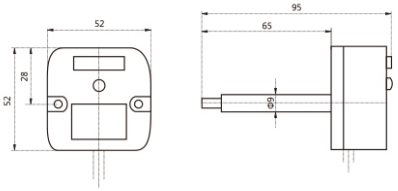


Use the dedicated key supplied
for manual lock-unlock operation.
Do not use a screwdriver.

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.

The contents are subject to revision or change without notice.