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 m^2
- Nominal voltage 24 V AC/DC and 100...240 V AC
- Control: 2-point, on-off
- Caracteristics: 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

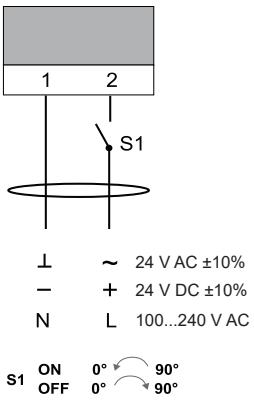
Actuator model		ST3AT	ST3BT
Damper area	m^2	0,6	
Nominal torque	Nm	3	
Power supply	V	24 AC/DC	100...240 AC
Frequency	Hz	50/60	
Power consumption			
- in operation	W	5	
- at rest	W	3	
- for wire sizing	VA	7,0	
Running time for motor	s	<75	
Running time for spring	s	< 25	
Sound power level	db (A)	45	
Control 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	

Eatec srl - Loc. Förche 20 - I-39040 Naz/Sciaves (BZ) - Tel. +39 0472 055617 - Fax +39 0472 089807 - info@eatec.it - www.eatec.it

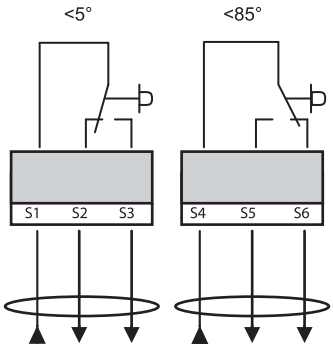
ST3

Electrical wirings

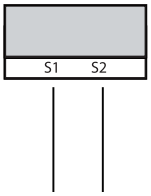
Wiring diagram



Auxiliary switches

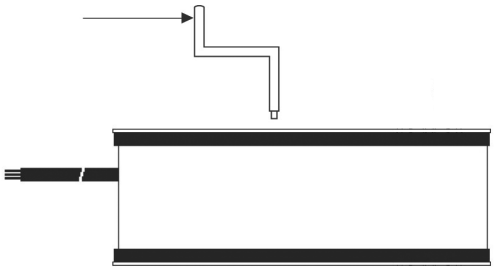


Thermal sensor



Setting

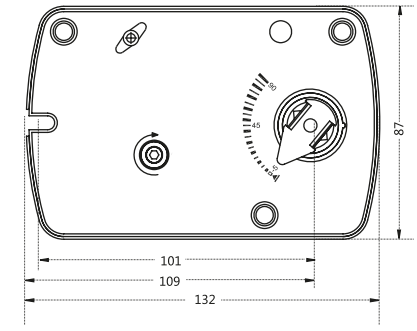
Manual override

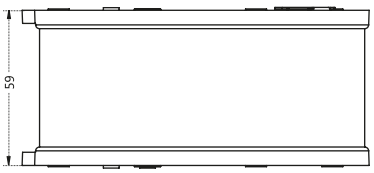


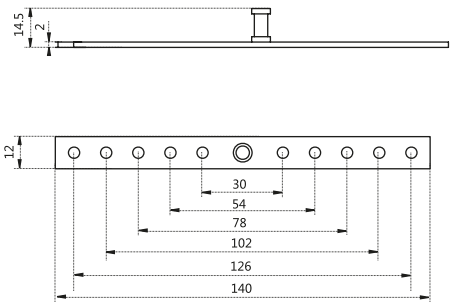


Use the dedicated key supplied
for manual lock-unlock operation.
Do not use a screwdriver.

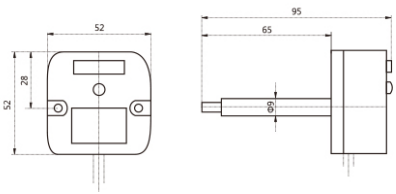
Dimensions (mm)







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.

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