Spring-return damper actuator, 3 Nm

SR3

Description

Damper actuator serie SR3 to operate and position air dampers in HVAC systems.

- For air dampers up to approx. 0,6 m^2
- Nominal voltage 24 Vac/dc and 230 Vac
- Control: 2-point, on-off and proportional
- Caracteristics: universal spindle clamp fo easy direct mounting, anti-rotation bracket provided for stability, selectable direction of rotation, adjustable angle of rotation, 1 m cable connection.



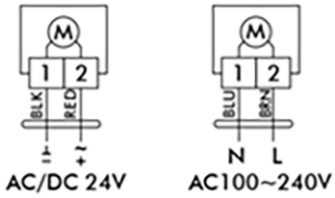
Technical features

Actuator model		SR3A	SR3AM	SR3B
Damper area	m^2		0,6	
Nominal torque	Nm		3	
Power supply	V	24 AC/DC	24 AC/DC	100...240 AC
Frequency	Hz		50/60	
Power consumption				
- in operation	W	5	2,5	5
- at rest	W	2	1,2	2
Running time for motor	s		<75	
Running time for spring	s		<25 (spring reset)	
Sound power level	db (A)		max 45 (motor), max 62 (spring return)	
Control signal		2 point, on-off	0...10 V DC	2 point, on-off
Auxilary switch rating			3(1.5) A, AC 230 V	
Life Cycle	cycles		70.000	
Rotation angle				
- operating			90° (95° mechanical)	
- limitation			5-85° (steps of 5°)	
Protection class		III	III	II
Protection degree			IP54	
Working range °C			-20...+50° C	
Working range RH			5...95% RH, non-condensating	
Storage temperature			-40...+70° C	
Maintenance			free	
Maintenance	mm	> 90	> 50	> 90
Shaft length	mm		○ 10...16 □ 7x7...12x12	
Weight	g	1300	1500	1300
Standards			CE-conformity, RoHs	
Option			suffix S for models with 2 SPDT auxiliary switches	

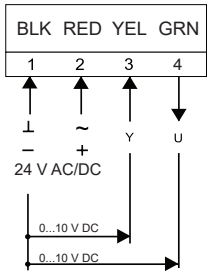
Eatec srl - Loc. Förche 20 - I-39040 Naz/Sciaves (BZ) - Tel. +39 0472 055617 - Fax +39 0472 089807 - info@eatec.it - www.eatec.it

Electrical wirings

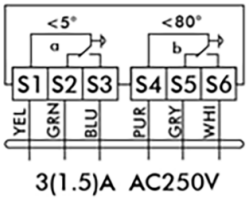
Wiring diagram On/Off



Wiring diagram proportional

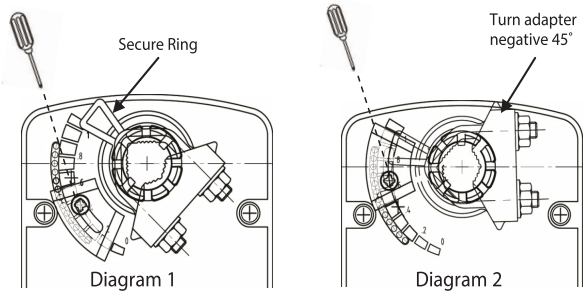


Auxiliary switches



Settings

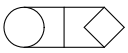
Limitation of rotation angle from 5° to 85°



For 5° to 45° (diagram 1)
1. Loosen screw of the mechanical limiter plate.
2. Move the limiter plate to the appropriate position.
3. Tighten the screw.

For 45° to 85° (diagram 2)
1. Release the secure ring of the adapter.
2. Remove the adapter and turn negative 45° as shown.
3. Insert adapter and secure the adapter ring.
4. Loosen screw of the mechanical limiter plate.
5. Move the limiter plate to the appropriate position.
6. Tighten the screw.

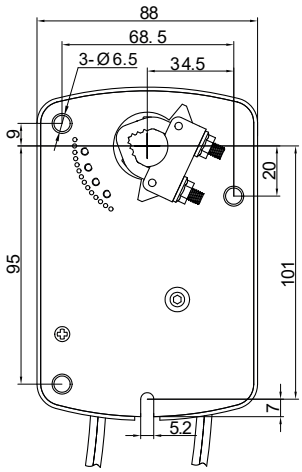
Dimensions (mm)

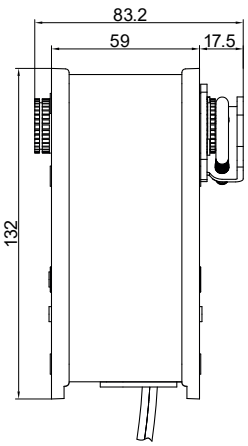


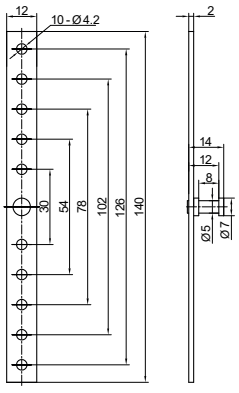
10...16mm



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







The contents are subject to revision or change without notice.