

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. 0,5 m²
- Nominal voltage 24 Vac/dc and 230 Vac
- Control: 2-point, on-off and proportional
- Characteristics: universal spindle clamp for easy direct mounting, anti-rotation bracket provided for stability, selectable direction of rotation, adjustable angle of rotation, 1 m cable connection.

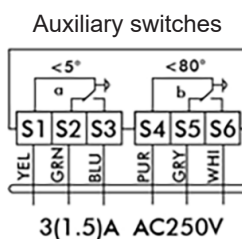
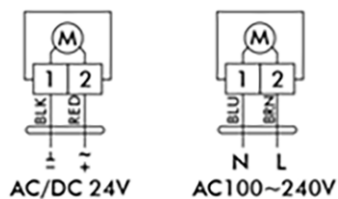


Technical features

| 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 con motore, max 62 con ritorno a molla | | |
| Control signal | | 2 punti, on-off | 0...10 V DC | 2 punti, on-off |
| Auxiliary switch rating | | 3(1.5) A, AC 230 V | | |
| Life Cycle | cycles | 70.000 | | |
| Rotation angle | | | | |
| - operating | | 90° (95° meccanici) | | |
| - limitation | | 5-85° (passi di 5°) | | |
| Protection class | | III | III | II |
| Protection degree | | IP54 | | |
| Working range °C | | -20...+50° C | | |
| Working range RH | | 5...95% RH, senza condensa | | |
| Storage temperature | | -40...+70° C | | |
| Maintenance | | libera | | |
| Maintenance | mm | > 90 | > 50 | > 90 |
| Shaft length | mm | ○ 10...16 □ 7x7...12x12 | | |
| Weight | g | 1300 | 1500 | 1300 |
| Standards | | Conformità CE, RoHs | | |
| Option | | suffisso S per modelli con 2 interruttori ausiliari SPDT | | |

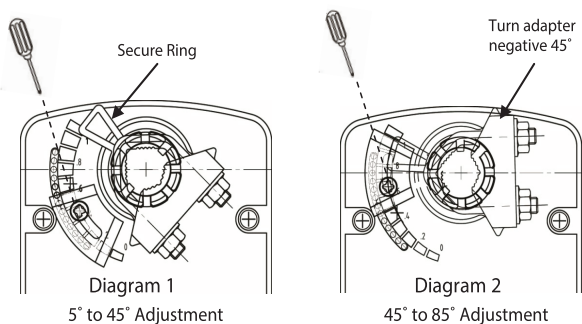


Electrical wirings



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)

