

Spring-return damper actuator, 2,5 Nm

SR2

Description

Damper actuator serie SR2 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, shaft dimensions max Ø 12 mm, □ 8x8mm minimum shaft length 80 mm, anti-rotation bracket provided for stability, selectable direction of rotation, adjustable angle of rotation, 1 m cable connection.

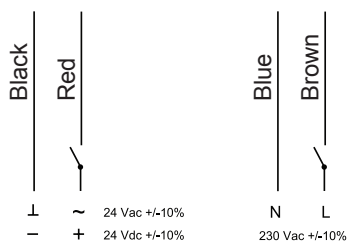


Technical features

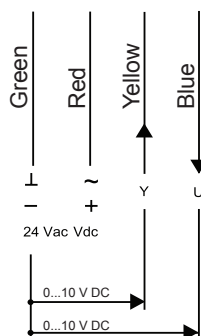
| Actuator model | | SR2A | SR2AM | SR2B |
|-------------------------|----------------|--|------------------------------|-----------------|
| Damper area | m ² | | 0,5 | |
| Nominal torque | Nm | | 2,5 | |
| Power supply | V | 24 AC/DC | 24 AC/DC | 230 AC |
| Frequency | Hz | | 50/60 | |
| Power consumption | | | | |
| - in operation | W | 2,5 | 2,5 | 2,5 |
| - at rest | W | | 1,6 | |
| Running time for motor | s | | 60 / 70 | |
| Running time for spring | s | | 25 / 30 | |
| Sound power level | db (A) | | circa 50 | |
| Control signal | | 2 point, on-off | 0...10 V DC | 2 point, on-off |
| Auxiliary 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 | |
| Weight | g | | 1000 | |
| Standards | | | CE-conformity, RoHs | |
| Option | | suffix S for models with 2 SPDT auxiliary switches | | |

Electrical wirings

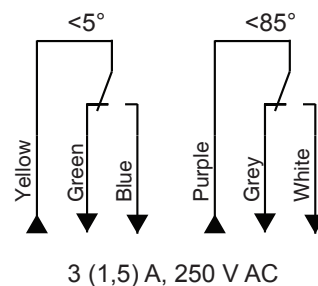
Wiring diagram On/Off



Wiring diagram proportional

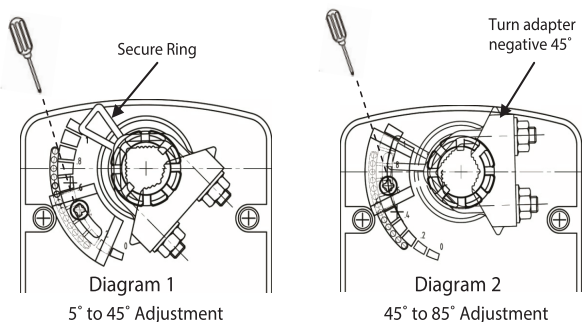


Auxiliary switches



Settings

Limitation of rotation angle from 5° to 85°



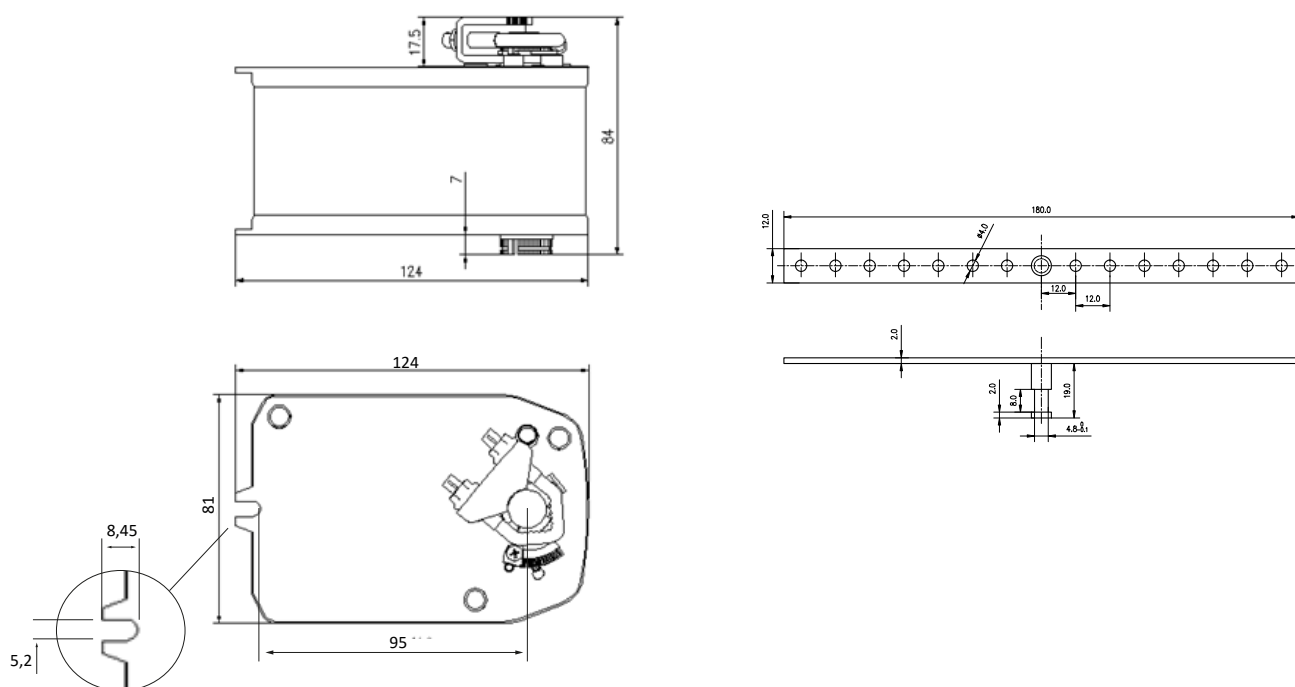
For 5° to 45° (diagram 1)

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)



The contents are subject to revision or change without notice.