



Technical Data CE RAR8

Power Supply	24Vac/dc +/-10% 50-60Hz 230Vac +/-10% 50-60Hz
Power Consumption	
Operating	7W 8W(aux-version)
At the end stops	2W 5,5W(aux-version)
Torque	8Nm
Protection Class	IP54 and II
Auxiliary Switch Rating	3(1,5A)/250Vac
Switching point	Adjustable 40...90° (b) Fixed at 5° (a)
Angle Limiting	Mechanical end stops
Direction of Rotation	Bidirectional (right/left)
Angle of Rotation	-5...+90°
Shaft Dimension	8-21mmdiameter / 6-15mm square 40mm minimum shaft length
Running Time	70sec <25sec of spring back
Noise Level	< 45dB (A)
Usage Life	Min. 60'000 open-close operations
Position Indication	Mechanical
Ambient Temperature:	-20...+ 50°C
Storage Temperature:	-30...+ 60°C
Ambient Humidity:	5...95%rH non-condensing
Weight	2,2 resp 2,3kg (aux-version)
Maintenance	Maintenance free
Standards	The actuators meet CE requirements

Features

- 8Nm torque to regulate dampers up to appr. 1,5m2
- Auxiliary Potential-Free Switches, fixed and adjustable
- Manual Over-Ride by Crank Handle
- Anti-rotation bracket provided for stability
- Adjustable Angle of Rotation, Mechanical Endstops
- Simple Direct Mounting by Universal Adapter
- Available with 1m Cable Connection

Short Description

By using the mounting clamp the actuators can be direct couple mounted over the damper shaft

The compact size allows for easy installation where space is limited.

High dependable performance

RAR8 on/off type damper actuator is a high quality spring return damper actuators designed for use air dampers, butterfly valve, ball and seat valve with the use of special adapter.

The actuator opens the damper loading the return-spring: with is current cut-off the spring moves the damper in a safe position.

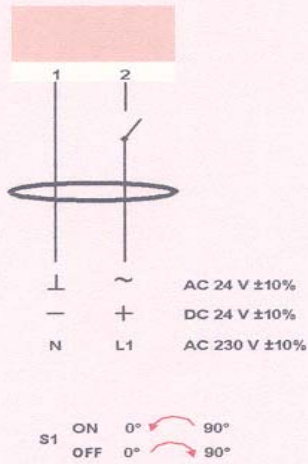
The actuator can be controlled by a suitable handle.

By this way the spring can be loaded and the actuator can be positioned as required.

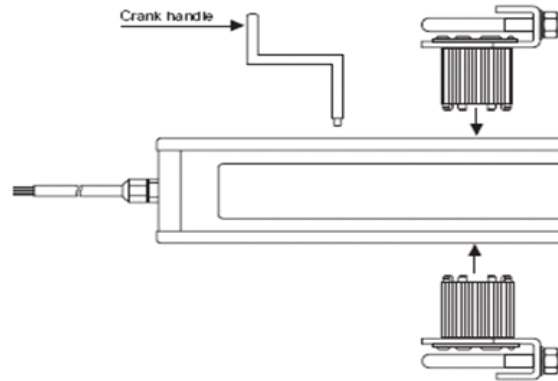
Ordering

RAR8 24D	Fail Safe Actuator	8Nm	24Vac/dc
RAR8 230D	Fail Safe Actuator	8Nm	230Vac
RAR8 24D S2	Fail Safe Actuator	8Nm	24Vac/dc aux.sw.
RAR8 230D S2	Fail Safe Actuator	8Nm	230Vac aux.sw

Wiring diagram

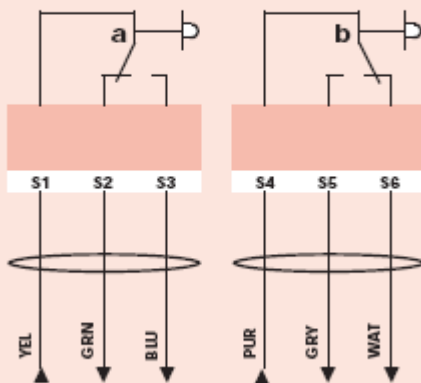


Changing direction of rotation



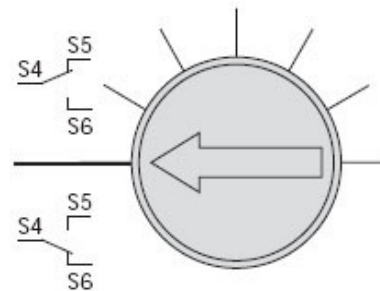
⚠ 24VAC/DC: Connect via safety isolating transformer.
 230 VAC: To isolate from the main power supply, the system must incorporate a device which disconnects the phase conductors (with at least a 3 mm contact gap).

Auxiliary switches (S)



Auxiliary switch adjustment Switch a Factory set at 5°

Switch b adjustable 40°...90°



Built-in Microswitch Adjustment
 Move the screw of the microswitch.

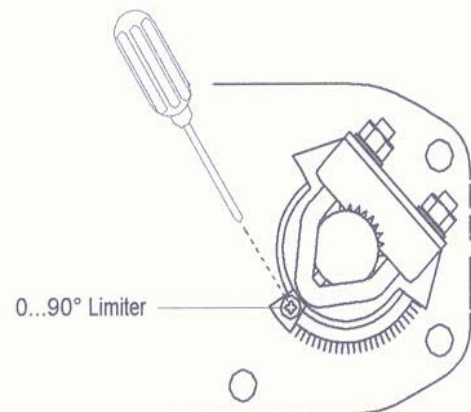
Electrical Wiring

YEL	-	yellow
GRN	-	green
BLU	-	blue
PUR	-	purple
GRY	-	grey
WAT	-	ochre
BLK	-	black
RED	-	red

Angle-of-rotation limiting

Mechanical Limited Adjustment

1. Loosen screw of the mechanical limited.
2. Move the limited to the appropriate position.
3. Tighten on the screw.





Fail Safe Actuator On/Off Spring Return

RAR 8

April.09

