



RA8 24D

### Technical data

<b>Torque</b>	8 Nm
<b>Control signal</b>	on/off or 3-point
<b>Power supply</b>	24 Vac or dc +/-10% for RA8 24D and RA8 24D S2 220 Vac +/-10% for RA8 220D and RA8 220D S2
<b>Auxiliary switch rating</b>	3 (1.5) Amp. 230 V for RA8 24D S2 and RA8 220D S2
<b>Frequency</b>	50/60 Hz
<b>Running time</b>	30 seconds
<b>Power consumptions</b>	
- Operating	3.9 W (24V), 4.8W (220V)
- At the end stops	0.4W (24V), 1.2W (220V)
<b>Rotation angle</b>	0-90°
<b>Limit angle</b>	5 to 85° (5° increment)
<b>Life cycle</b>	60.000 cycles
<b>Noise level</b>	45dB(A)
<b>Protection class</b>	□
<b>Protection</b>	IP 44
<b>Ambient temperature</b>	-20 to +50°C
<b>Ambient humidity</b>	5 to 95% rH
<b>Storage</b>	-40 to +70°C
<b>Weight</b>	1300 g
<b>Approval</b>	CE certificate

### Features

- Torque 8 Nm
- For regulate dampers up to approx. 2.0 m<sup>2</sup>
- Power supply  
24 Vac/dc for RA8 24D and RA8 24D S2  
220 Vac for RA8 220D and RA8 220D S2
- Control signal on/off or 3-point
- Auxiliary switches on RA8 24D S2 and RA8 220D S2
- Running time 30 seconds
- Position indicator
- Direction of rotation changeable via wiring diagram
- Manual override by push button

### Description

VCP non-spring return damper actuators are suitable for many applications including motorised control of dampers in ventilation systems such Building Automation Systems (BAS), Building Management Systems (BMS) or Heating, Ventilation, and Air Conditioning (HVAC) environments.

Solutions for VCP non-spring return damper actuators are ideal for control dampers, air handlers, economizer units, VAV terminal units, fan coil units, fan shutters, and unit ventilators.

VCP non-spring return damper actuators to be direct mount on standard damper shafts to control dampers.

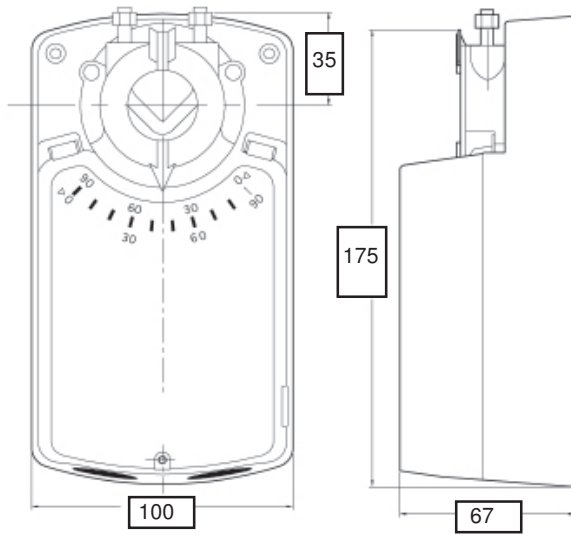
The RA8 24D and RA8 220D non-spring return damper actuators with torque 8 Nm and with control signal on/off (two-position) or 3-point (3-point floating / tri-state) are used to regulate dampers up to approx. 2.0 m<sup>2</sup>.

Auxiliary switches equipped on the non-spring return damper actuators types RA8 24D S2 and RA4 220D S2.

### Ordering

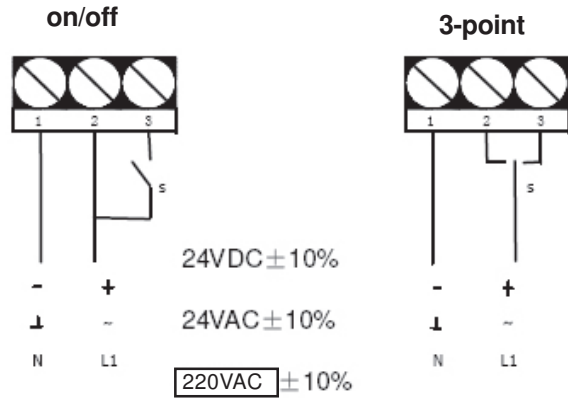
Type no.	Description
<b>RA8 24D</b>	Damper actuator, 8 Nm, 24 Vac/dc, with on/off or 3-point control signal
<b>RA8 220D</b>	Damper actuator, 8 Nm, 220 Vac, with on/off or 3-point control signal
<b>RA8 24D S2</b>	Damper actuator, 8 Nm, 24 Vac/dc, with on/off or 3-point control signal, auxiliary switches
<b>RA8 220D S2</b>	Damper actuator, 8 Nm, 220 Vac, with on/off or 3-point control signal, auxiliary switches

**Dimensions in mm**

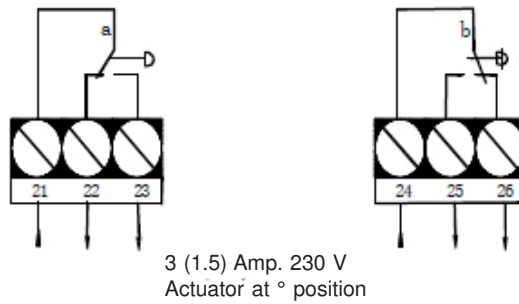


Max size for round shaft is 20 mm in diameter.  
Max size for square shaft is 16x16 mm.  
Anti-rotation bracket provided for stability.

**Wiring**



**Auxiliary switches**



We reserve the right to make changes in our products without any notice which may effect the accuracy of the information contained in this leaflet.