



**RA16 24D**

## Features

- Torque 16 Nm
- For regulate dampers up to approx. 4.0 m<sup>2</sup>
- Power supply  
24 Vac/dc for RA16 24D and RA16 24D S2  
220 Vac for RA16 220D and RA16 220D S2
- Control signal on/off or 3-point
- Auxiliary switches on RA16 24D S2 and RA16 220D S2
- Running time 80 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 RA16 24D and RA16 220D non-spring return damper actuators with torque 16 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. 4.0 m<sup>2</sup>.

Auxiliary switches equipped on the non-spring return damper actuators types RA16 24D S2 and RA16 220D S2.

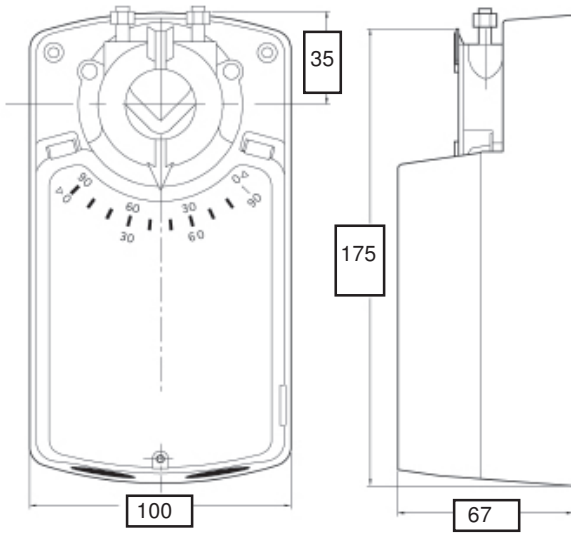
## Ordering

Type no.	Description
<b>RA16 24D</b>	Damper actuator, 16 Nm, 24 Vac/dc, with on/off or 3-point control signal
<b>RA16 220D</b>	Damper actuator, 16 Nm, 220 Vac, with on/off or 3-point control signal
<b>RA16 24D S2</b>	Damper actuator, 16 Nm, 24 Vac/dc, with on/off or 3-point control signal, auxiliary switches
<b>RA16 220D S2</b>	Damper actuator, 16 Nm, 220 Vac, with on/off or 3-point control signal, auxiliary switches

## Technical data

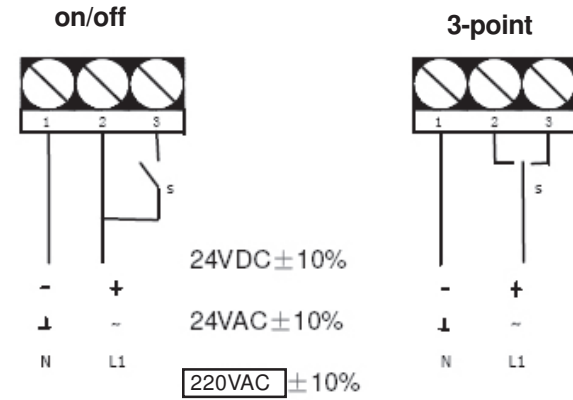
<b>Torque</b>	16Nm
<b>Control signal</b>	on/off or 3-point
<b>Power supply</b>	24 Vac/dc +/-10% or RA16 24D and RA16 24D S2 220 Vac +/-10% for RA16 220D and RA16 220D S2
<b>Auxiliary switch rating</b>	3 (1.5) Amp. 230 V for RA16 24D S2 and RA16 220D S2
<b>Frequency</b>	50/60 Hz
<b>Running time</b>	80 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>	IP44
<b>Ambient temp.</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

**Dimensions in mm**

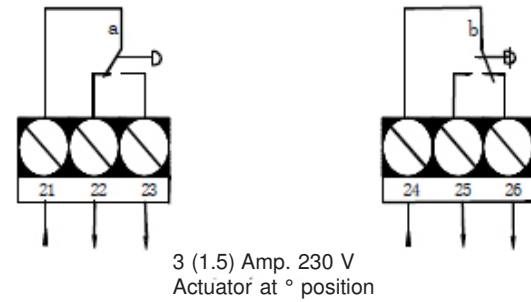


Max size for round shaft is 20 mm in diameter.  
Max size for square shaft is 16x16 mm.  
Anti-rotation bracket provided for stability.

**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.