



RA2 24D

## Features

- Torque 2 Nm
- For regulate dampers up to approx. 0.5 m<sup>2</sup>
- Power supply
  - 24 Vac/dc for RA2 24D and RA2 24D S1
  - 220 Vac for RA2 220D and RA2 220D S1
- Control signal on/off
- Running time 30-35 seconds
- Position indicator
- Direction of rotation changeable  
via L/R switch outside damper actuator
- Supplied with 0.9 m cable
- Manual override by push button

## Technical data

|                                     |  |
|-------------------------------------|--|
| <b>Torque</b>                       | Not less than 2 Nm                                   |
| <b>Control signal</b>               | on/off   |
| <b>Power supply</b>                 |  |
| RA2 24D and RA2 24D1                | 24 Vac/dc  |
| RA2 220D and RA2 220D S1            | 220 Vac  |
| <b>Frequency</b>                    | 50/60 Hz   |
| <b>Running time</b>                 | 30-35 seconds  |
| <b>Operating power consumptions</b> |  |
| RA2 24D and RA2 24D1                | 2.0 W  |
| RA2 220D and RA2 220D S1            | 1.5 W  |
| <b>Stop power consumptions</b>      | 0.75 W   |
| <b>Wiring size</b>                  |  |
| RA2 24D and RA2 24D1                | 3 VA   |
| RA2 220D and RA2 220D S1            | 1.5 VA   |
| <b>Rotation angle</b>               | Max 95°  |
| <b>Life cycle</b>                   | 60.000 cycles  |
| <b>Noise level</b>                  | 45dB(A)  |
| <b>Protection</b>                   | IP 54  |
| <b>Ambient temperature</b>          | -20 to +50°C   |
| <b>Storage temperature</b>          | -40 to +70°C   |
| <b>Ambient humidity</b>             | 5 to 95% rH  |
| <b>Auxiliary switch rating</b>      | 1×SPDT 5(2.5)A, AC250V<br>RA2 24D S1 and RA2 220D S1 |
| <b>Approval</b>                     | CE certificate                                       |
| <b>Weight</b>                       | 600 g  |

## 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.

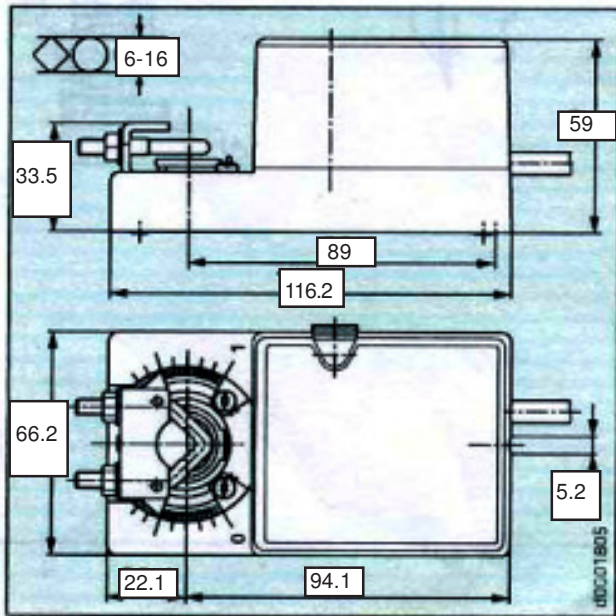
The RA2 24D and RA2 220D non-spring return damper actuators with torque 2 Nm and with control signal on/off (two-position) are used to regulate dampers up to approx. 0.5 m<sup>2</sup>.

Auxiliary switch equipped on the non-spring return damper actuators types RA2 24D S1 and RA2 220D S1.

## Ordering

| Type no.           | Description   |
|--------------------|---|
| <b>RA2 24D</b>     | Non-spring return damper actuator, 2 Nm, 24 Vac/dc with control signal on/off                   |
| <b>RA2 220D</b>    | Non-spring return damper actuator, 2 Nm, 220 Vac with control signal on/off                     |
| <b>RA2 24D S1</b>  | Non-spring return damper actuator, 2 Nm, 24 Vac/dc with control signal on/off, auxiliary switch |
| <b>RA2 220D S1</b> | Non-spring return damper actuator, 2 Nm, 220 Vac with control signal on/off, auxiliary switch   |

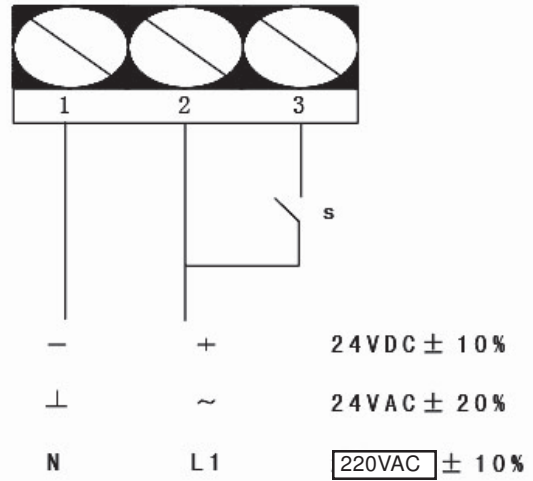
**Dimensions**



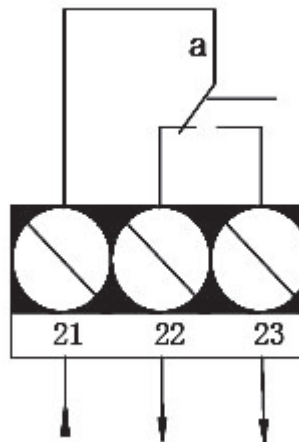
Minimum size and Maximum size for both round and square shaft is 6-16 mm.

Anti-rotation bracket provided for stability.

**Wiring for RA2 24D and RA2 220D**



**Wiring auxiliary switch wiring for RA2 24D S1 and RA2 220D S1**



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.