



Actuators for operating dampers in air-handling systems.

- * For torque up to 5 Nm
- * For dampers up to approx. 1 m²
- * On/Off, 3-point floating or 0...10 V Control
- * Models with auxiliary switch
- * Reversible rotation direction
- * Manual operation by pushbutton

Function

Field of application

The motor RDA5... is used to operate dampers in air handling systems.

Improved functional safety

The damper actuator has no limit switches and is overload-proof. It stops automatically when it reaches the damper or actuator end stop.

Changeable angle of rotation

The angle is easily changed by means of mechanical end-stops.

Changeable direction of rotation

The direction of rotation is changed by a switch on the front.

Simple installation

The damper actuator is fitted with a universal spindle clamp for quick and easy mounting directly on the damper spindle. The actuator is supplied with an antirotation strap for fixing it in position.

The gearing can be disengaged by simply depressing the pushbutton on the top of the case.

While the pushbutton is depressed, the damper can be operated by hand and be set to any position.

The damper actuators are supplied with 0.9 m of cable.

Shaft size

Round shaft \varnothing 8...16 mm

Square shaft \square 8...12 mm

Models

Type	Control signal	Supply voltage	Features
RDA5-230	On/off	230 V AC	
RDA5-230S	On/off	230 V AC	Auxiliary switch
RDA5-24T	3-point	24 V AC/DC	
RDA5-24TS	3-point	24 V AC/DC	Auxiliary switch
RDA5-24A	0...10 V	24 V AC/DC	(2...10 V working range)

Models

Supply voltage RDA5-24... 24 V AC/DC +/- 20%, 50...60 Hz
 RDA5-230... 230 V AC +/- 15%, 50...60 Hz

Power consumption

24 V AC/DC (2/3-point) 2.0 W / 3.0 VA (at 60...120 s./ 90°)

230 V AC (On/Off) 1.0 W / 12.0 VA (at 60...120 s./ 90°)

24 V AC/DC (2...10 V) 2.5 W / 4.5.0 VA (at 60...120 s./ 90°)

Direction of rotation Selected with L/R switch, from outside

Torque 5 Nm

Angle of rotation Max. 95°

Running time 60...120 s.

Position indication Mechanical

Degree of protection IP54 (Cable downwards)

Ambient temp. range -20°...+50°C



These products conform with the requirements of European EMC and LVD according to 89/336/EEC och 92/31/EEC and carry the CE mark

Unique features RDA5-24A

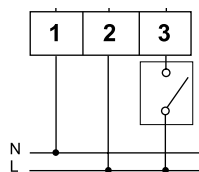
Control signal Y 2...10 V DC, Ri = 50 kΩ

Operating range 2...10 V DC (for set angle of rotation)

Position feedback 2...10 V DC

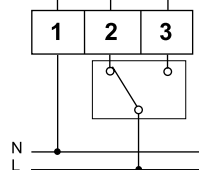
Wiring diagram

On//Off



Several actuators can be connected in parallel to the first one.

3-point



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0...10 V

