



Actuators for variable air volume boxes.

- * Available in 2,4,6 & 8Nm torque
- * For dampers up to approx. 1 m²
- * Increase/Decrease Control
- * Reversible rotation direction
- * With Manual Operation Override

Function

Field of application

The actuator ZDAV is used to operate dampers in variable air volume boxes.

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.

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 pushing the lever on the side of the case.

While holding the lever, the damper can be operated by hand and be set to any position.

The angle of rotation can be limited with mechanical stops.

Unique features ZDAV

The actuator is controlled by a standard inc/dec 24vac signal and will stop at whatever position when signal is cut off.

The torque of 8 Nm is 50% higher than the industry standard for the same equivalent size.

Model

Type	Function	Torque	Supply voltage	Control
ZDAV02	Inc/Dec	2 Nm	24 VAC	3-point control
ZDAV04	Inc/Dec	4 Nm	24 VAC	3-point control
ZDAV06	Inc/Dec	6 Nm	24 VAC	3-point control
ZDAV08	inc/Dec	8 Nm	24 VAC	3-point control

Technical specifications

Supply voltage	24 VAC, 50/60 Hz
Power consumption	2.5 VA
Direction of rotation	Clockwise/anti-clockwise
Torque	4 Nm, 6 Nm & 8 Nm
Angle of rotation	45/60/90° (adjustable by mechanical stops)
Running time	90 secs at 90° angle of rotation
Position indication	Mechanical
Degree of protection	IP20
Ambient temp. range	-30° ... + 50°C
Non-operation temperature	-40° ... + 80°C
CE	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

Dimensions (mm) and wiring diagram

