



Actuators for operating dampers in variable air volume boxes.

- * For torque up to 8 Nm
- * For dampers up to approx. 1 m²
- * Increase/Decrease or 0...10 Vdc Control
- * Reversible rotation direction
- * Manual operation by pushbutton
- * Variable mechanical stops

Function

Field of application

The actuator TVI-VA series 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 depressing the pushbutton on the side of the case.

While the pushbutton is depressed, the damper can be operated by hand and be set to any position. The angle of rotation can be limited with variable mechanical stops.

Unique features TVI-VA

The actuator is controlled by a standard inc/dec or 0...10 Vdc signal and runs to whatever position as specified by the signal.

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

Models

Type	Function	Torque	Supply voltage	Control
TVI-VA-D1-04	Inc/Dec	4 Nm	24 V AC	3-point control
TVI-VA-D1-08	Inc/Dec	8 Nm	24 VAC	3-point control
TVI-VA-DM-04	Modulating	4 Nm	24 VAC	0...10 Vdc
TVI-VA-DM-08	Modulating	8 Nm	24 VAC	0...10 Vdc

* This model is also available for 110 and 230 VAC supply voltage on request

* This model is also available for torque 6NM.

Models

Supply voltage	24 V AC, 50/60 Hz
Power consumption	2.5 VA
Direction of rotation	Clockwise/anti-clockwise
Torque	4 Nm, 6 Nm & 8 Nm
Angle of rotation	variable (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-operating temperature	-40°...+80°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

Wiring diagram & dimensions

