

15Nm On/Off or Raise/Lower & Modulating Actuators



Features

- Maintenance-free
- Position indication
- Reversible rotation
- Mechanically set rotation limits

Specification

Power supply:

VA-15x-24 19-29Vac/dc (24V nominal)

VA-15x-230 85-265Vac (230V nominal)

Max. power consumption:

VA-15x-24

Running 2W

Stopped 1W

VA-15x-230

Running 4.5W

Stopped 1W

Connection Via 1m flying lead (halogen free)

Angle of rotation 0° - 95° mechanical

Running time <150s / 90°

Damper coupling:

Square 8-12mm

Round 8-16mm

Damper size Up to approx. 3m²

Protection IP54 (cable downwards)

Aux. switch rating SPDT 5(2.5)A @250Vac

Service life >60000 cycles (0°-95°-0°)

Ambient:

Temperature -20°C to +50°C

RH 5 to 95% RH

Max sound power 45 dB(A)

Protection class

VA-15x-24 III

VA-15x-230 II

Conformity CE

Country of origin Germany

Product Codes

VA-15A-24

24Vac/dc 15Nm on/off or Floating actuator

VA-15A-24S

24Vac/dc 15Nm on/off or Floating actuator with auxiliary switch

VA-15A-230

230Vac 15Nm on/off or Floating actuator

VA-15A-230S

230Vac 15Nm on/off or Floating actuator with auxiliary switch

VA-15M-24

24Vac/dc 15Nm Modulating actuator

VA-15M-24S

24Vac/dc 15Nm Modulating actuator with auxiliary switch

Technical Overview

The VA-15 range of actuators require either a 24Vac/dc or 230Vac supply depending on version ordered. They are available accept either an on/off/floating (raise/lower) or modulating control signal input. They can have an auxiliary switch option fitted.

The direction of rotation can be reversed. By a simple selector switch. The actuator is overload-proof, and requires no limit switches and automatically stops when the end stop is reached.

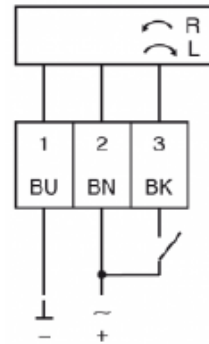
Installation

1. Ensure that all power is disconnected before carrying out any work on the damper actuator.
2. Attach the actuator to the damper spindle, finger tighten the nuts on the V-clamp.
3. Fix the anti-rotation strap to the back of the actuator (bend if required).
4. Move the damper to the closed position.
5. Using the manual override push button, turn the clamp until the actuator is in the correct position.
6. Tighten the V-clamp.
7. If the damper has no fixed stops of its own, the angle of rotation / working range can be adjusted mechanically by re-positioning the adjustable stops.
8. Terminate the cores of the flying lead as required (see next column).
9. Ensure that the voltage is within the specified tolerances.

Operating Modes & Connections

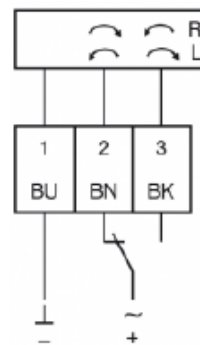
2-Point.

Through connecting the power supply to BU+BN (1+2) and the direction of rotation switch on position "R" moves the actuator to position 1. Is also BK (1+2+3) connected to the power supply the actuator is moving to position 0.



3-point.

Through connecting the power supply to BU+BN (1+2) and the direction of rotation switch on position "R" moves the actuator to position 1. If the power supply is interrupted the actuator maintains its current position. Is also BU+BK (1+3) connected to the power supply the actuator is moving in direction 0.



Rotary direction switch

R= clockwise

Adp= adaption

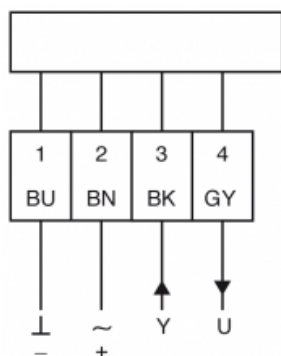
L= counter clockwise



Operating Modes & Connections (continued)

Modulating.

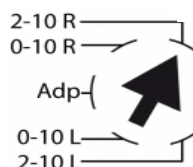
Through connecting the power supply to BU+BN (1+2) and a reference signal Y to BK (3) of 0(2)...10Vdc, moves the actuator to its specified position. The actual damper position 0...100% is a feedback signal U for example to share the signal with other actuators.



Mode-switch

Mode-switch with five positions at the housing

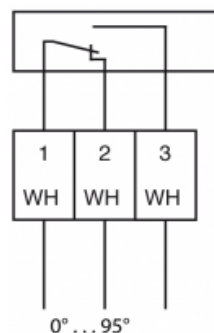
- Rotary direction right 2-10V
- Rotary direction right 0-10V
- Adp = Adaption
- Rotary direction left 2-10V
- Rotary direction left 0-10V



Manual Override

Manual override is possible with the self-resetting pushbutton (the gearing latch remains disengaged as long as the pushbutton is pressed)

End Switch



Dimensions

