4Nm 24V Modulating Actuator

Features

- Reversible rotation
- Mechanically set rotation limits

Specification

Power supply	24Vac/dc
Max. power consumption:	
Running	2.5W
Stopped	0.85W
For wiring size	4.1VA
Frequency	50 - 60Hz
Control signal	0-10Vdc or 4-20mA
Angle of rotation:	
0° - 90° mechanical	
5° - 85° mechanically limitable	
Running time	35 seconds
Protection	IP42 or IP44
Ambient:	
Temperature	-20°C to +50°C
RH	5 to 95% RH
Max sound power	45 dB(A)
Protection class	II
Conformity	CE
Country of origin	Germany

Product Codes

VA-DMN1.1E

24Vac/dc 4Nm Modulating damper actuator

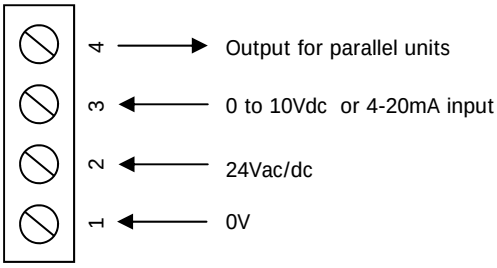
Technical Overview

The VA-DMN1.1E actuator requires a 24Vac/dc supply and accepts a 0-10Vdc control signal input. It is available with a 4Nm torque rating.
The direction of rotation can be reversed and the angle of mechanical travel can be limited.

Installation

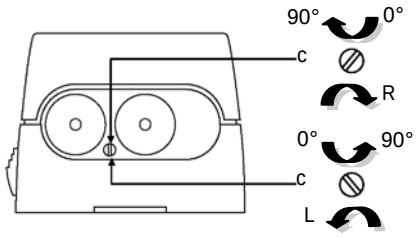
1. Ensure that all power is disconnected before carrying out any work on the VA-DMN1.1E.
2. Maximum cable is 2.5mm², care must be taken not to over tighten terminals.
3. Attach the actuator to the damper spindle, finger tighten the nut on the clamp.
4. Fix the anti-rotation strap to the back of the actuator (bend if required).
5. Move the damper to the closed position.
6. Using the manual override push button, turn the clamp until the actuator is in the correct position.
7. Tighten the nut on the clamp.
8. If the damper has no fixed stops of its own, the limit stops may need to be adjusted. To mechanically limit the angle of rotation, loosen the bolt on the required side to be limited, and re-tighten the bolt. Note, this operation only limits the travel at one end. If both ends need to be limited, carry out the above operation on the other bolt.
9. Undo the screw on the cover of the actuator and remove the cover.
10. Terminate the cores at the terminal block, leaving some slack inside the unit.
11. Ensure that the voltage is within the specified tolerances.
12. Replace the lid after the electrical connections have been made.

Connections



Changing Direction Of Rotation

The direction of rotation can be changed by moving the screw on the back of the actuator. It is factory set for clockwise rotation.



Dimensions