



Danfoss AMV 110 NL, AMV 120 NL Actuators for Three Point Control User Guide

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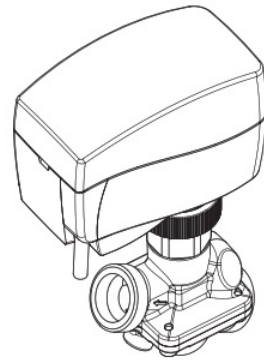
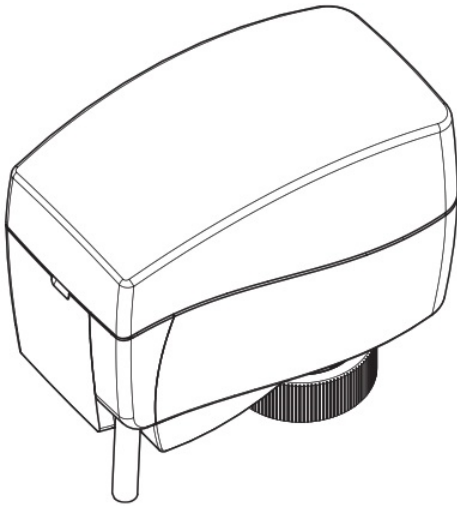
AMV 110 NL, AMV 120 NL
Actuators for Three-Point Control
User Guide



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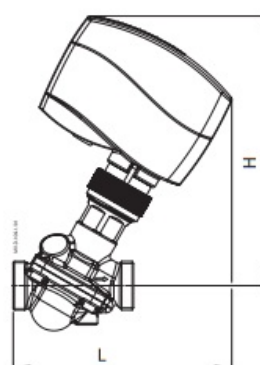
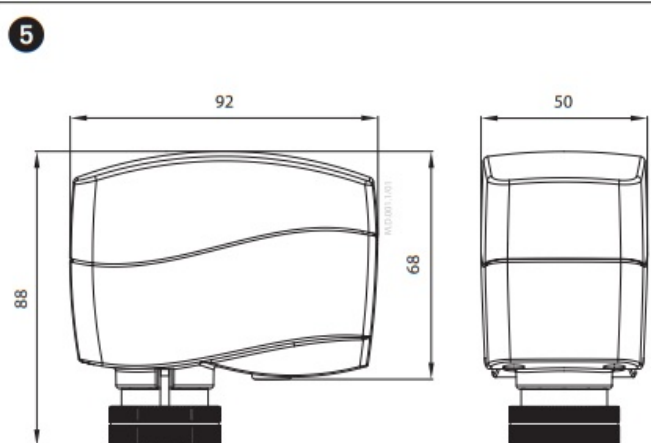
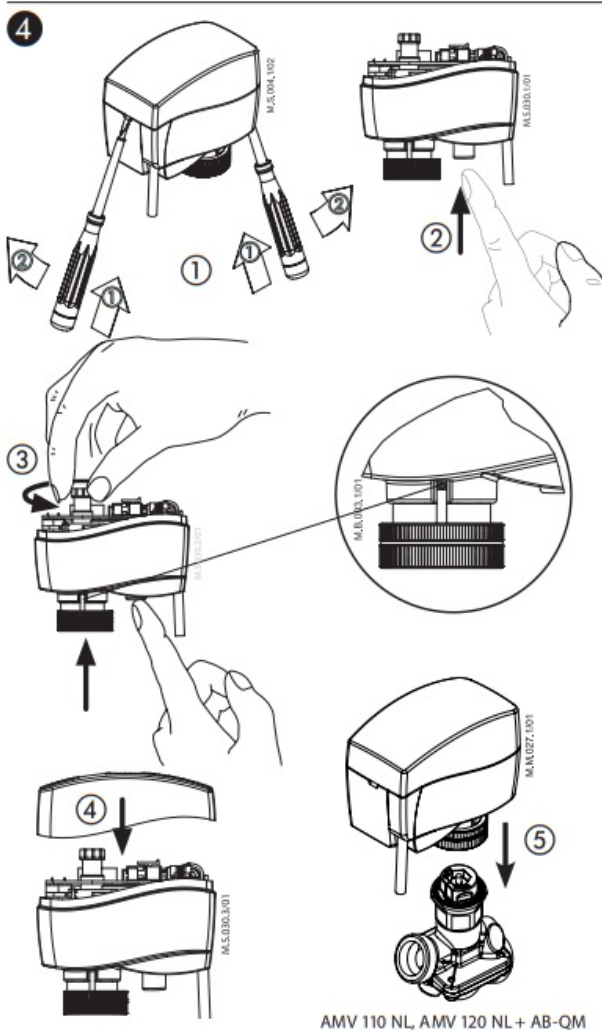
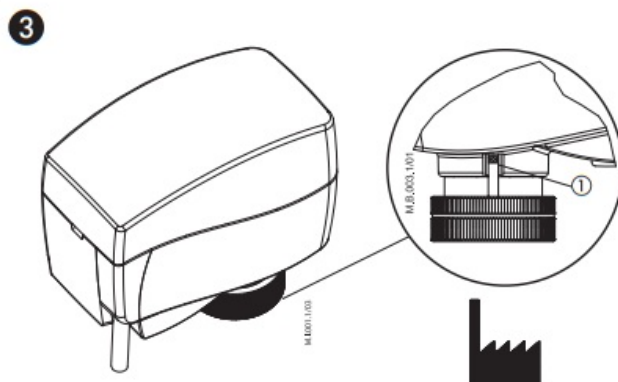
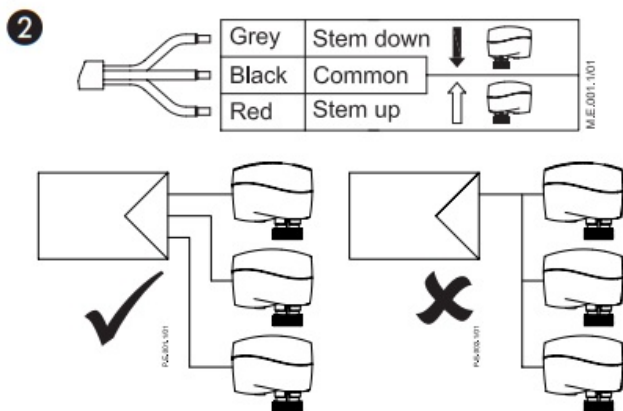
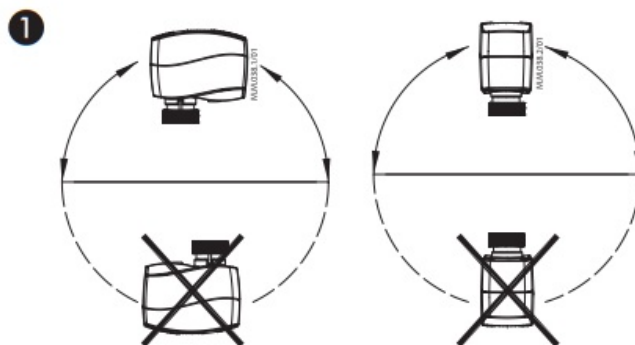
AMV 110 NL, AMV 120 NL Actuators for Three Point Control



AMV 110 NL, AMV 120 NL +
AB-QM DN 10-32

Actuators for three-point control AMV 110 NL, AMV 120 NL www.danfoss.com

AMV 110 NL, AMV 120 NL



Type	L mm	H	b ISO 228/1
DN 10	109	138	G ½
DN 15	116	141	G ¾
DN 20	125	143	G 1
DN 25	142	155	G 1 ¼
DN 32	160	166	G 1 ½

Safety Note

To avoid injury to persons and damage to the device, it is absolutely necessary to read and observe these

instructions carefully.

Necessary assembly, start-up, and maintenance work must be performed by qualified and authorized personnel only.

Please comply with the instructions of the system manufacturer or system operator.

Mounting

The actuator should be mounted with the valve stem in either a horizontal position or pointing upwards. The actuator is fixed to the valve body by means of a ribbed nut which requires no tools for mounting. The ribbed nut should be tightened by hand.

Wiring



Do not touch anything on the PCB.

Installation

1. Check the valve's neck. The actuator should be in a stem-up position (factory setting).

Ensure that the actuator is mounted securely on the valve body.

2. Energize the actuator according to the wiring diagram.
3. The direction of stem movement can be observed on the position indicator ③①.

Manual override (for service purposes only)



Caution:

Do not manually operate the drive under power!

Procedure:

- Remove the cover ①.
- Press and hold the button ② (on the bottom side of the actuator) during manual override ③.
- Place the cover back on the actuator ④.
- Install actuator on valve ⑤.

Remark:

A click after energizing the actuator indicates that the gear wheel has jumped into its normal position.



Don't dismount the actuator from the valve when it is in a stem-down position!

If dismounted in a stem-down position, there is a high risk that the actuator gets stuck.

Dimensions

Part Name	Hazardous Substances Table					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr(VI))	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Connecting nut	X	0	0	0	0	0
0: Indicates that this hazardous substance contained in all of the homogeneous material for this part is below the limit requirement in GB/T 26572;						
X: Indicates that this hazardous substance contained in at least one of the homogeneous materials for this part is above the limit requirement in GB/T 26572;						

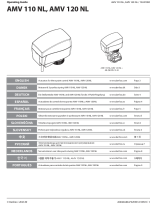
Danfoss A/S Climate Solutions

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Documents / Resources

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