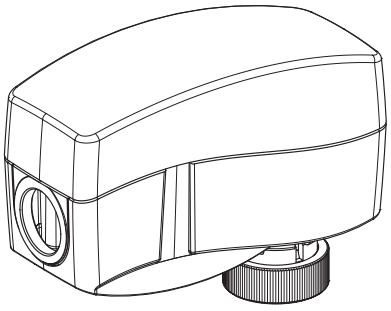
ENGINEERING
TOMORROW

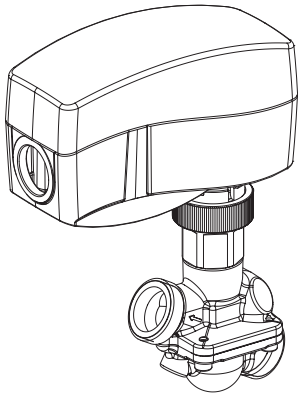
Operating Guide

AMV 120 NL-1 / 73694410

AMV 120 NL-1



Stem Travel	5 mm
Travel Speed	10 (12) s/mm



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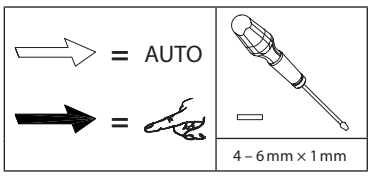
AB-QM

MAINTENANCE FREE

5-95 % RH
no condensing



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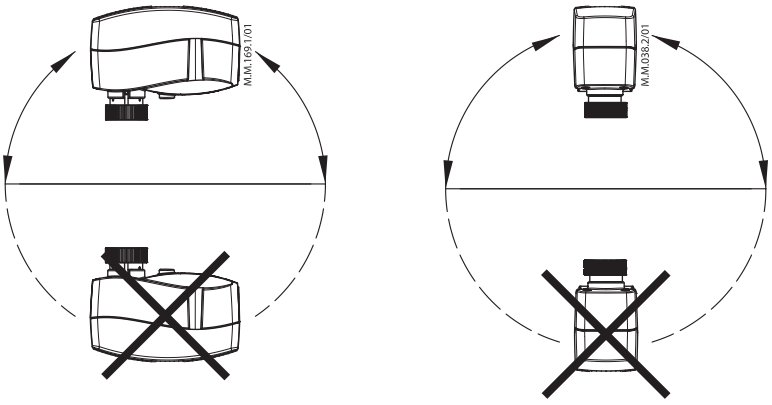

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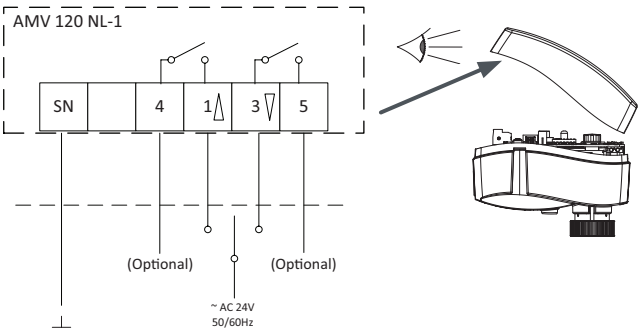
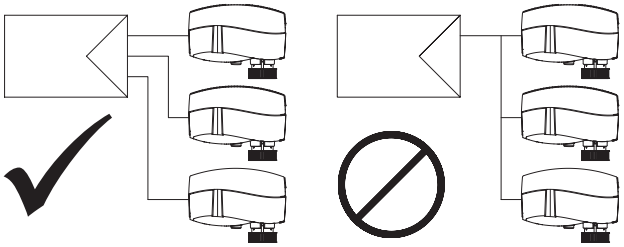
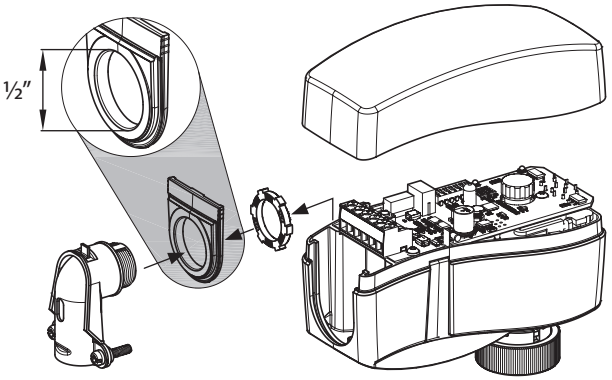


AC 24 V
Connect via safety isolating transformer.





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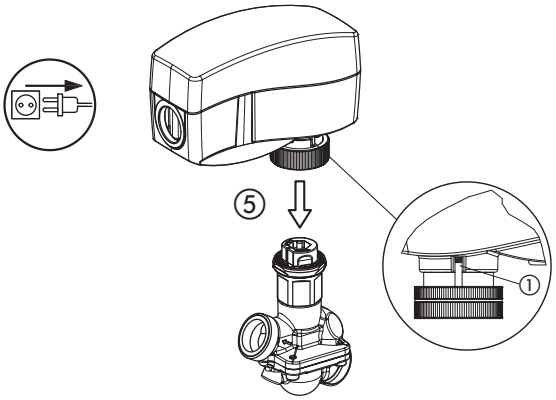

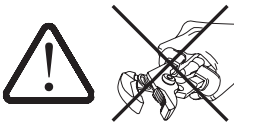

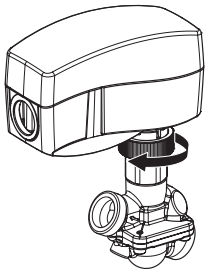

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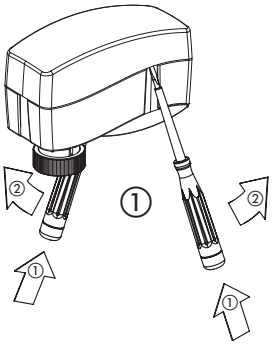

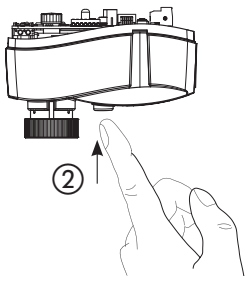

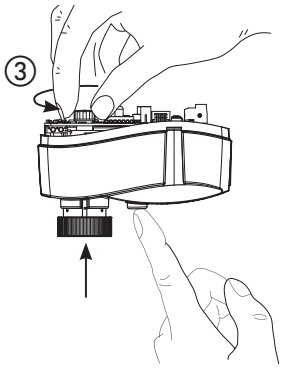

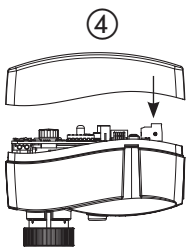

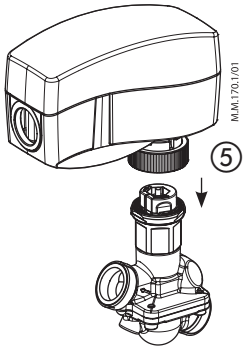

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ENGLISH

Safety Notes

To avoid personal injury and damage to the device or other property, it is necessary to read and follow these instructions carefully.

Assembly, start-up, and maintenance work must be performed by qualified and authorized personnel.

Comply with the instructions of the system manufacturer or system operator.

Do not remove the cover before the power supply is switched off.

Mounting Position ❶

The actuator should be mounted with the valve stem in either a horizontal position or pointing upwards.

Wiring ❷

AC 24 V
Connect via Class 2 (North America) or Safety Extra-Low Voltage (SELV) (Europe). Failure to comply can lead to equipment damage or personal injury.

Switch off power before wiring the actuator!

1. Make all wiring connections in accordance with local, national, or regional regulations.
2. For applications requiring conduit, a field supplied 1/2" trade size electrician's fitting and lock nut can be mounted in the actuator enclosure. Use flexible metallic tubing or its equivalent with the field supplied fitting.
3. Insert wiring material through the removable plug or conduit fitting, and connect to the terminal block using the applicable wiring diagram ❷.
4. Optionally, end position feedback is available on terminal 4 (stem down) and terminal 5 (stem up). Both contacts are normally open.

Installation ❸

1. Check the valve neck. The actuator should be in the full up position ① (factory setting). If it is not, refer to the manual override instructions and reposition the actuator to its full up position ❸①.
2. 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 hand tightened only.

Manual override ❹

(for service purposes only)

Do not use the manual override if power is connected!

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

Remark:
A 'click' sound after energizing the actuator indicates that the gear wheel has jumped into 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.

ІМПОРТЕР:
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