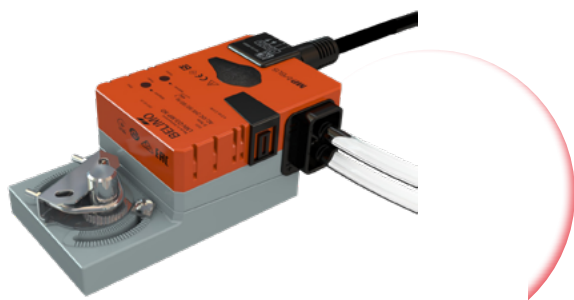


# MOTORS

## Variable-volume units

## Control dampers



### Use

The product group Volume units includes operations that are focused on the use of the volume units or the control dampers.

The variable-volume units are always operated by motors that are configured for a specific situation. Model size, air-volume range, maximum and minimum position are set in our factory. The control dampers can have motors that are generally used in the open/closed version.

### Characteristics




- Motors for variable-volume units are only available with a 24 Volt supply.
- 0 (2) - 10 Volt control, feedback 0 - 10 Volt signal.

- Modbus, BACnet, KNX and LON versions are available for incorporating into building-management systems.
- 5 or 10 Nm are standard, and 20 Nm versions are available on request.
- Motors for control dampers, open/close controls or modulating damper position are available in 24 Volt or 230 Volt versions.
- With or without auxiliary switches.

### Fitting

VAV motors and units are fitted and set ex-factory. Other makes and/or accessories can be fitted on request. Control damper motors can also be supplied individually.


### Versions of control dampers

Torque	Function	24 Volt DC/AC	230 Volt DC/AC	
<b>5 Nm</b> (1 m <sup>2</sup> )	Open/closed O/D + auxiliary switch Modulating	LM24A LM24A-S LM24A-SR	LM230A LM230A-S LM230A-SR	
<b>10 Nm</b> (2 m <sup>2</sup> )	Open/closed O/D + auxiliary switch Modulating	NM24A NM24A-S NM24A-SR	NM230A NM230A-S NM230A-SR	
<b>20 Nm</b> (4 m <sup>2</sup> )	Open/closed O/D + auxiliary switch Modulating	SM24A SM24A-S SM24A-SR	SM230A SM230A-S SM230A-SR	

All modulating versions (SR) are not self-adaptive.

### Version of VAV units

(Control 0 (2) - 10 Volt)

Torque	Function	24 Volt DC/AC	
<b>5 Nm</b> (1 m <sup>2</sup> )	VAV	LMV-D3-MP-SD	
<b>10 Nm</b> (2 m <sup>2</sup> )	VAV	NMV-D3-MP-SD	