

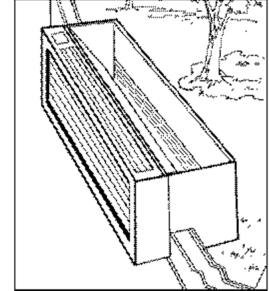
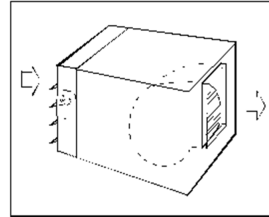
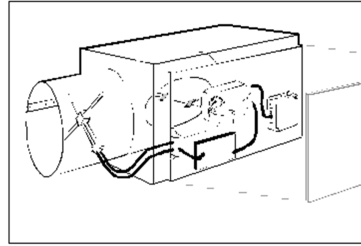
Minimum 35 in-lb Torque

- For damper areas up to 8 sq-ft*

Applications

Cost effective quality and performance for a range of applications including:

- Classroom Unit Ventilators
- Fan/Coil Units
- Airhandlers
- VAV Terminal Units
- Economizer Units
- Control Dampers



Actuators in bold have BDCM

LF Series - At A Glance

	LF24 US (p. 95)	LF24-S US (p. 95)	LF120 US (p. 97)	LF120-S US (p. 97)	LF230 US (p. 97)	LF230-S US (p. 97)	LF24-3- US (p. 99)	LF24-3-S US (p. 99)	LF24-3-R US (p. 101)	LF24-3-S US (p. 101)	LF24-SR US (p. 103)	LF24-SR-S US (p. 103)	LF24-SR-E US (p. 105)	LF24-ECON-R03 US (p. 109)	LF24-ECON-R10 US (p. 109)	LF24-MFT US (p. 113)	LF24-MFT-S US (p. 113)	LF24-MFT-20 US (p. 115)	LF24-MFT-20-S US (p. 115)
Torque:	35 in-lb	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Power supply:	24 VAC/DC	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	120 VAC			•	•														
	230 VAC					•	•												
Control signal:	On/Off	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	floating point						•	•	•	•									
	proportional 2 to 10 VDC										•	•	•						
	6 to 9 VDC																	•	•
	multi-function**															•	•		
	3kΩ NTC type 10 thermistor													•					
	10kΩ NTC type 7 thermistor													•	•				
Feedback:	2 to 10 VDC										•	•	•	•	•				
	VDC variable**															•	•	•	•
Auxiliary output, 20 VDC (to power controller)																		•	•
Running time motor:	<40 to 75 seconds	•	•	•	•	•													
	150 seconds constant						•	•			•	•	•						
	90 seconds constant								•	•									
	95 seconds constant												•	•					
	adj. 75 to 300 seconds***															•	•	•	•
	spring: <25 seconds	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
External direction of rotation switch							•	•	•	•	•	•	•	•	•	•	•	•	•
Plenum rated cable, 18 GA							•	•	•	•	•	•	•	•	•				
Conduit fitting	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Appliance cable, 18 GA	•	•	•	•	•	•			•		•					•	•	•	•
Built-in auxiliary switch		•		•		•			•		•					•			•
LF24-SR-E US operation.....(p. 107)	Installation instructions(p. 117-120)																		
General wiring(p. 122)	Start-up and checkout(p. 123)																		

*Based on 4 in-lb/ft² damper torque loading. Parallel blade. No edge seals. **Default 2 to 10 VDC. ***Default 150 seconds.

A CLOSER LOOK...

- Cut labor costs with (10 min. installation) simple direct coupling. Actuator Centers on 1/2" shaft (K6-1, 3/4" clamp optional).
- True mechanical spring return – the most reliable failsafe.
- Mount for clockwise or counterclockwise fail-safe.
- Easy-to-adjust mechanical stop to limit damper rotation.
- Check damper position easily with clear position indicator.
- Don't worry about actuator burn-out. Belimo is overload-proof throughout rotation.
- Need to change control direction? Do it easily with a simple switch (modulating actuators).
- Built-in auxiliary switch is easy to use, offers feedback or signal for additional device.
- Microprocessor-controlled brushless DC motor increases actuator life span and reliability, provides constant running time (modulating actuators).
- Rugged metal housing withstands rough handling in the mechanical room.
- 3 ft. cable and conduit connector eases installation.



The Belimo Difference

- **Customer Commitment.**
Extensive product range. Application assistance.
Same-day shipments. Free technical support. Five year warranty.
- **Low Installation and Life-Cycle Cost.**
Easy installation. Accuracy and repeatability.
Low power consumption. No maintenance.
- **Long Service Life.**
Components tested before assembly. Every product tested before shipment.
30+ years direct coupled actuator design.