

Communicates well with others...



By connecting directly to LONWORKS®.

LON non-spring return actuators have many of the same features as the non-spring return actuators with the added benefit of an integrated interface for LONWORKS. The actuator can be easily installed by direct shaft mounting on air dampers in ventilation and air conditioning systems and controlled by any compatible LON controller or automation system. The factory settings cover most common applications; however individual parameters, such as clamp, running time and cable length can be adapted for specific systems. Parameters can be modified with the PC-Tool.

Features of the LON actuators include:

- LONWORKS interfacing and functional profile 8160 to enable network automation of various functions to increase building efficiencies
- A passive or active sensor can be connected to the actuator saving an analog input (available on non-spring only)
- Multi-parameter programming offering versatility in different applications
- Direct couple for easy installation
- A Ridged V-clamp connector for better shaft gripping
- 100,000 full operation tested on non-spring return actuator to ensure reliability



BELIMO[®]

Built-in intelligence compatible for LONWORKS controller.



Product Ranges / Technical Data					
Non-Spring Return Actuators					Spring Return Actuators
	GMX24-LON	AMX24-LON	NMX24-LON	LMX24-LON	AF24-LON
Customize Product	•	•	•	•	
Torque	360 in-lb [40 Nm]	180 in-lb [20 Nm]	90 in-lb [10 Nm]	45 in-lb [5 Nm]	133 in-lb [15 Nm]
Power Supply	24 VAC/DC				
Transformer Sizing	7 VA (Class 2 power source)	6 VA (Class 2 power source)	6 VA (Class 2 power source)	5 VA (Class 2 power source)	10 VA (Class 2 power source)
Sensor Input	(0-32 V)				
Running Time	150 seconds	150 seconds	150 seconds	150 seconds	150 seconds
Electrical Connection	3' [1M] Plenum rated cable with 1/2" rated conduit connector				3' appliance cable
Data for LONWORKS	Certified: acc. to LONMARK 3.3 Processor: Neuron 3120				

Standard Packages

Customize Product	•	•	•	•	
Torque	360 in-lb [40 Nm]	180 in-lb [20 Nm]	90 in-lb [10 Nm]	45 in-lb [5 Nm]	133 in-lb [15 Nm]
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UK24-LON interface module is a second option to a LON configured actuator. This gateway allows the use of standard MFT actuators which connect to the gateway and communicates to the controller. Each UK24-LON can connect up to eight MFT actuators offering an economical solution.

- Mode of operation – The actuator is equipped with an integrated LONWORKS interface. The actuator can be directly connected to LONWORKS and activated using a transceiver FTT-10A.
- Brushless DC motor – Greater reliability and higher quality.
- Converter for sensors – Connection option for a sensor (passive or active sensor or switching contact). In this way, the analog sensor signal can be easily digitized and sent to LONWORKS (available on non-spring return versions only)
- Customize actuators – The factory settings cover the most common applications. As desired, individual parameters can be adapted for specific systems or servicing with an MFT programmable device (e.g. PC-Tool MFT-P).
- High functional reliability – The actuator is overload-proof, requires no limit switches and automatically stops when the end stop is reached. Tested for 100,000 full operations (available on non-spring return versions only).

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