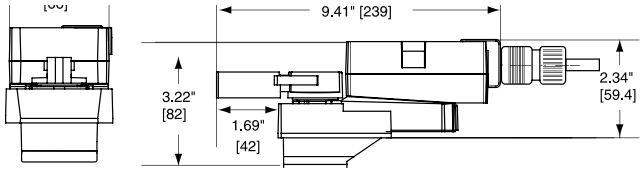
Dimensions



Models

LRQB24-MFT	Basic Version
LRQX24-MFT	Flexible Version

Technical Data	
Power supply	24 VAC ± 20% 50/60 Hz 24 VDC ± 10%
Power consumption running	12 W
holding	1.5 W
Transformer sizing	18 VA (Class 2 power source) 20A @ 5ms max
Electrical connection	½" conduit connector 18 GA plenum rated cable
LRQB24-MFT	3 ft [1m]
LRQX24-MFT	3 ft [1m], 10 ft [3m], 16 ft [5m]
Overload protection	electronic throughout 0 to 95° rotation
Operating range Y	2 to 10 VDC, 4 to 20 mA (default) variable (VDC, on/off)
Feedback output U	2 to 10 VDC, 0.5mA max VDC variable
Input impedance	100 kΩ (0.1 mA), 500 Ω 1500 Ω (on/off)
Angle of rotation	max 95°, adjustable with mechanical stop
Direction of rotation	reversible with ↷/↶ switch
Position indication	reflective visual indicator (snap-on)
Manual override	external push button
Running time	
LRQB24-MFT	5 seconds constant of independent load
LRQX24-MFT	5 or 10 seconds constant of independent load
Humidity	5 to 95% RH non-condensing (EN 60730-1)
Ambient temperature	-22°F to 122°F [-30°C to 50°C]
Storage temperature	-40°F to 176°F [-40°C to 80°C]
Housing	NEMA 2/IP54
Housing material	UL94-5VA
Agency listings†	cULus according to UL 60730-1A/-2-14, CAN/CSA E60730-1:02, CE according to 2004/108/EC and 2006/95/EC for line voltage and/or –S versions
Noise level	<52 dB(A)
Quality standard	ISO 9001

Wiring Diagrams

INSTALLATION NOTES

1 Provide overload protection and disconnect as required.

2 ***CAUTION** Equipment damage!*
Actuators may be connected in parallel.
Power consumption and input impedance must be observed.

3 Actuators may also be powered by 24 VDC.

5 Control signal may be pulsed from either the Hot (source) or the Common (sink) 24 VAC line.

APPLICATION NOTES

◆ The ZG-R01 500 Ω resistor may be used.

***WARNING** Live Electrical Components!*
During installation, testing, servicing and troubleshooting of this product, it may be necessary to work with live electrical components. Have a qualified licensed electrician or other individual who has been properly trained in handling live electrical components perform these tasks. Failure to follow all electrical safety precautions when exposed to live electrical components could result in death or serious injury.