

LRB24-SR-T Technical Data Sheet

Modulating, Non-Spring Return, 24 V, for DC 2...10 V or 4...20 mA



5-year warranty



Technical Data	
Power Supply	24 VAC, ±20%, 50/60 Hz, 24 VDC, ±10%
Power consumption in operation	1.5 W
Power consumption in rest position	0.2 W
Transformer sizing	3 VA (class 2 power source)
Electrical Connection	Screw terminal (for 26 to 14 GA wire)
Overload Protection	electronic throughout 0...90° rotation
Operating Range	2...10 V, 4...20 mA w/ ZG-R01 (500 Ω, 1/4 W resistor)
Input Impedance	100 kΩ for 2...10 V (0.1 mA), 500 Ω for 4...20 mA
Position Feedback	2...10 V
Angle of rotation	90°
Direction of motion motor	selectable with switch 0/1
Position indication	Mechanically, pluggable
Manual override	external push button
Running Time (Motor)	default 90 s, variable 150, 90, 45, 35 s
Ambient humidity	max. 95% r.H., non-condensing
Ambient temperature	-22...122°F [-30...50°C]
Storage temperature	-40...176°F [-40...80°C]
Degree of Protection	IP54, NEMA 2
Agency Listing	cULus acc. to UL60730-1A/-2-14, CAN/CSA E60730-1:02, CE acc. to 2014/30/EU
Noise level, motor	35 dB(A)
Servicing	maintenance-free
Quality Standard	ISO 9001
Weight	1.1 lb [0.50 kg]

†Rated Impulse Voltage 800V, Type of Action 1, Control Pollution Degree 2.

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Wiring Diagrams

✂️ INSTALLATION NOTES

- ⚠️ 1 Provide overload protection and disconnect as required.
- ⚠️ 2 Actuators may be connected in parallel. Power consumption and input impedance must be observed.
- ⚠️ 3 Actuators may also be powered by 24 VDC.
- ⚠️ 5 Only connect common to negative (-) leg of control circuits.
- ⚠️ 7 A 500 Ω resistor (ZG-R01) converts the 4 to 20 mA control signal to 2 to 10 VDC.
- ⚠️ 16 Actuators are provided with a numbered screw terminal strip instead of a cable.
- ◆ Meets cULus requirements without the need of an electrical ground connection.

⚠️ 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.

