

LRB24-SR-T Technical Data Sheet

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



5-year warranty



Technical Data

Power Supply	24VAC, ±20%, 50/60Hz, 24VDC, ±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° to 90° rotation
Operating Range	DC 2...10 V, 4...20 mA w/ ZG-R01 (500 Ω, 1/4 W resistor)
Input Impedance	100 kΩ for DC 2...10 V (0.1 mA), 500 Ω for 4...20 mA
Position Feedback	DC 2...10 V
Angle of rotation	90°
Direction of rotation motor	reversible with built-in switch
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	IP40, NEMA 1
Agency Listing	cULus acc. to UL60730-1A/-2-14, CAN/CSA E60730-1:02, CE acc. to 2004/108/EC
Noise level, motor	35 dB(A)
Maintenance	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.

Safety Notes

WARNING: For Belimo products sold in California: these products do or may contain chemicals which are known to the State of California to cause cancer and or birth defects or other reproductive harms. For more information see www.p65warnings.ca.gov.

Date created: 08/14/2019 - Subject to change. © Belimo Aircontrols (USA), Inc.

800-543-9038 USA

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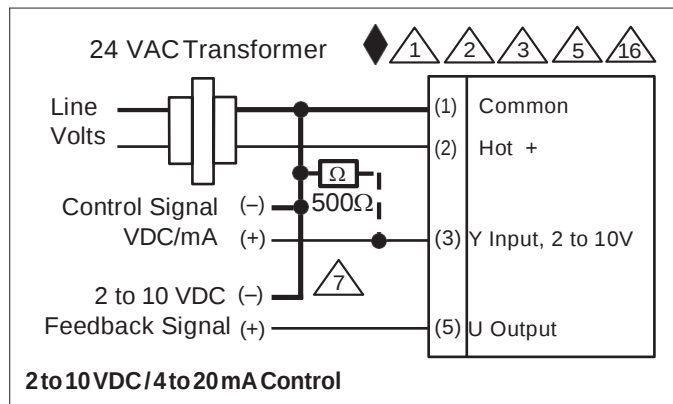
Encontre Belimo na RSA - A mais completa em soluções para HVAC e Automação
Avenida Ragueb Chohfi, 960 - Torre 3, Sala 73 - Jardim Três Marias, São Paulo-SP, Cep: 08375-000
Telefone Sac: 55 11 2031 6658 - Email: contato@rsistemasdeautomacao.com.br
Site: <http://www.rsistemas-automacao.com.br/empres/empres.aspx>

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.



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