

Technical data sheet

LRB2<u>4-3-S</u>

5-year warranty

CE



Technical data

| Electrical data | Nominal voltage | AC/DC 24 V | |
|-----------------|-------------------------------------|---|--|
| | Nominal voltage frequency | 50/60 Hz | |
| | Nominal voltage range | AC 19.228.8 V / DC 21.628.8 V | |
| | Power consumption in operation | 1.5 W | |
| | Power consumption in rest position | 0.2 W | |
| | Transformer sizing | 2.5 VA | |
| | Auxiliary switch | 1x SPDT, 3 A resistive (0.5 A inductive) @ AC 250 V, adjustable 0100% | |
| | Switching capacity auxiliary switch | 3 A resistive (0.5 A inductive) @ AC 250 V | |
| | Electrical Connection | 18 GA plenum cable, 1 m, with 1/2" NPT conduit connector | |
| | Overload Protection | electronic thoughout 090° rotation | |
| | Electrical Protection | actuators are double insulated | |
| Functional data | Direction of motion motor | selectable with switch 0/1 | |
| | Manual override | external push button | |
| | Angle of rotation | 90° | |
| | Angle of rotation note | adjustable with mechanical stop | |
| | Running Time (Motor) | 90 s / 90° | |
| | Noise level, motor | 35 dB(A) | |
| | Position indication | Mechanical, pluggable | |
| Safety data | Power source UL | Class 2 Supply | |
| | Degree of protection IEC/EN | IP54 | |
| | Degree of protection NEMA/UL | NEMA 2 | |
| | Enclosure | UL Enclosure Type 2 | |
| | Agency Listing | cULus acc. to UL60730-1A/-2-14, CAN/CSA E60730-1:02 | |
| | | CE acc. to 2014/30/EU and 2014/35/EU | |
| | Quality Standard | ISO 9001 | |
| | UL 2043 Compliant | Suitable for use in air plenums per Section 300.22(C) of the NEC and Section 602 of the IMC | |
| | Ambient humidity | Max. 95% RH, non-condensing | |
| | Ambient temperature | -22122°F [-3050°C] | |
| | Storage temperature | -40176°F [-4080°C] | |
| | Servicing | maintenance-free | |
| Weight | Weight | 1.3 lb [0.60 kg] | |
| Materials | Housing material | Galvanized steel and plastic housing | |

Footnotes TRated Impulse Voltage 800V, Type action 1, Control Pollution Degree 3.





| Accessories | | |
|---|--|--|
| Electrical accessories | Description | Туре |
| | Battery backup system, for non-spring return models Battery, 12 V, 1.2 Ah (two required) Auxiliary switch 1x SPDT add-on Auxiliary switch 2x SPDT add-on Feedback potentiometer 140 Ω add-on, grey Feedback potentiometer 1 k Ω add-on, grey Feedback potentiometer 10 k Ω add-on, grey Feedback potentiometer 2.8 k Ω add-on, grey Feedback potentiometer 500 Ω add-on, grey Feedback potentiometer 5 k Ω add-on, grey | NSV24 US NSV-BAT S1A S2A P140A GR P1000A GR P10000A GR P2800A GR P500A GR P500A GR |
| Electrical installation | 1 | |
| | | |
| | INSTALLATION NOTES Provide overload protection and disconnect as required. Actuators may be connected in parallel. Power consumptions observed. Actuators may also be powered by DC 24 V. Actuators Hot wire must be connected to the control boarneg. (-) leg of control circuits. Terminal models (-T) have Actuators with plenum cable do not have numbers; use of One built-in auxiliary switch (1x SPDT), for end position in etc. Apply only AC line voltage or only UL-Class 2 voltage to the Mixed or combined operation of line voltage/safety extra Meets cULus requirements without the need of an electrical Maring! Live electrical components. Have a qualified who has been properly trained in handling live electrical Failure to follow all electrical safety precautions when excould result in death or serious injury. | tion and input impedance must be ard common. Only connect common to no-feedback. color codes instead. ndication, interlock control, fan startup he terminals of auxiliary switches. a low voltage is not allowed. ical ground connection. ng of this product, it may be necessary licensed electrician or other individual components perform these tasks. |
| Wiring diagrams On/Off 24 VAC Transformer | Floating Point 1 2 3 18 24 VAC Transforme | r |
| Volts | (1) Common (2) + Hot t (3) Y Input | Blk (1) Common Red (2) + Hot Wht (3) Y Input |
| Floating Point - Triac Source 24 VAC Transformer | Floating Point - Triac Sink 24 VAC Transformer | |
| | Line Volts | 6 Bik (1) Common Red (2) + Hot Wht (3) Y Input |



