



5-year warranty



## Technical data

|                        |                                |  |
|------------------------|--------------------------------|--|
| <b>Electrical data</b> | Nominal voltage                | AC 24 V  |
|                        | Nominal voltage frequency      | 50/60 Hz   |
|                        | Power consumption in operation | 1 W  |
|                        | Transformer sizing             | 1 VA (class 2 power source)  |
|                        | Electrical Connection          | Screw terminal (for 26 to 14 GA wire)  |
|                        | Overload Protection            | electronic throughout full rotation  |
| <b>Functional data</b> | Input Impedance                | 0.36 kΩ  |
|                        | Manual override                | push down handle   |
|                        | Angle of rotation              | 90°  |
|                        | Running Time (Motor)           | 90 s / 90°   |
|                        | Noise level, motor             | 35 dB(A)   |
|                        | Position indication            | Mechanically, pluggable  |
| <b>Safety data</b>     | Degree of protection IEC/EN    | IP40   |
|                        | Degree of protection NEMA/UL   | NEMA 1 UL Enclosure Type 1   |
|                        | Agency Listing                 | cULus acc. to UL60730-1A/-2-14, CAN/CSA E60730-1:02, CE acc. to 2014/30/EU and 2014/35/EU; Listed to UL 2043 - suitable for use in air plenums per Section 300.22(c) of the NEC and Section 602.2 of the IMC |
|                        | Quality Standard               | ISO 9001   |
|                        | Ambient temperature            | -22...122°F [-30...50°C]   |
|                        | Storage temperature            | -40...176°F [-40...80°C]   |
|                        | Ambient humidity               | max. 95% r.H., non-condensing  |
|                        | Servicing                      | maintenance-free   |
|                        | Weight                         | 0.62 lb [0.28 kg]  |
|                        |                                |  |

## Accessories

| Electrical accessories | Description   | Type       |
|------------------------|---|------------|
|                        | Battery, 12 V, 1.2 Ah (two required)                | NSV-BAT    |
|                        | Battery backup system, for non-spring return models | NSV24 US   |
|                        | Feedback potentiometer 10 kΩ add-on, grey           | P10000A GR |
|                        | Feedback potentiometer 1 kΩ add-on, grey            | P1000A GR  |
|                        | Feedback potentiometer 140 Ω add-on, grey           | P140A GR   |
|                        | Feedback potentiometer 2.8 kΩ add-on, grey          | P2800A GR  |
|                        | Feedback potentiometer 5 kΩ add-on, grey            | P5000A GR  |
|                        | Feedback potentiometer 500 Ω add-on, grey           | P500A GR   |
|                        | Auxiliary switch 1 x SPDT add-on                    | S1A        |
|                        | Auxiliary switch 2 x SPDT add-on                    | S2A        |

## Electrical installation

### ✂ INSTALLATION NOTES

- 1 Provide overload protection and disconnect as required.
- 3 Actuators may also be powered by DC 24 V.
- 16 Actuators are provided with a numbered screw terminal strip instead of a cable.
- 17 Actuators cannot be wired in parallel.
- ◆ 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.

