



5-year warranty



Technical data

| | | |
|------------------------|------------------------------------|---|
| Electrical data | Nominal voltage | AC/DC 24 V |
| | Nominal voltage frequency | 50/60 Hz |
| | Power consumption in operation | 8 W |
| | Power consumption in rest position | 2.5 W |
| | Transformer sizing | 11 VA (class 2 power source) |
| | Electrical Connection | Terminal blocks |
| | Overload Protection | electronic throughout 0...95° rotation |
| Functional data | Direction of motion motor | selectable with switch 0/1 |
| | Manual override | under cover |
| | Angle of rotation | Max. 95°, adjustable with mechanical stop |
| | Angle of rotation note | adjustable with mechanical stop |
| | Running Time (Motor) | 35 s, constant, independent of load |
| | Running time motor note | constant, independent of load |
| | Noise level, motor | 45 dB(A) |
| Safety data | Position indication | Mechanically, 5...20 mm stroke |
| | Degree of protection IEC/EN | IP66/67 |
| | Degree of protection NEMA/UL | NEMA 4X |
| | Enclosure | UL Enclosure Type 4X |
| | 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 |
| | Ambient temperature | -22...122°F [-30...50°C] |
| | Storage temperature | -40...176°F [-40...80°C] |
| | Ambient humidity | Max. 100% RH |
| | Servicing | maintenance-free |
| Weight | Weight | 7.2 lb [4.5 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 |

Electrical installation



INSTALLATION NOTES

- 1 Provide overload protection and disconnect as required.
- 3 Actuators may also be powered by DC 24 V.

⚠ For triac sink the Common connection from the actuator must be connected to the Hot connection of the controller. Position feedback cannot be used with a triac sink controller; the actuator internal common reference is not compatible.

⚠ IN4004 or IN4007 diode. (IN4007 supplied, Belimo part number 40155).

⚠ Actuators are provided with a numbered screw terminal strip instead of a cable.

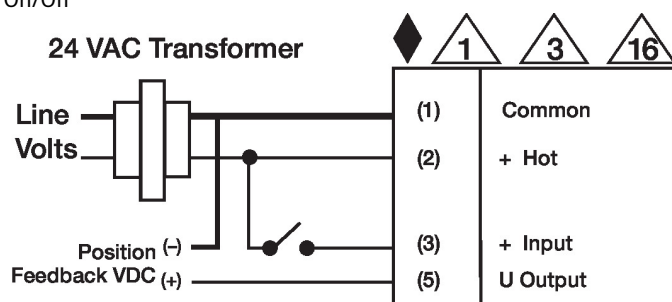
◆ Meets cULus requirements without the need of an electrical ground connection.

⚠ **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.

Wiring diagrams

On/Off



Floating Point

