

Non-Spring Return Commercial Actuators - VA24-35 Series

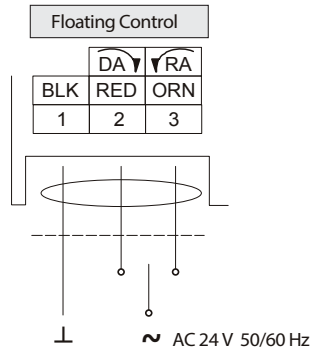


| Technical Specifications - VA24-35 Series Actuator | | | | |
|--|-------------------------------------|--|---|---|
| Type | Actuator Models | VA24-35-P | VA24-35-PTO | VAM24-35-P |
| | | | Non-Spring Return - Floating & On/Off (relay required) | Non-Spring Return - Floating with Time-Out & On/Off (relay required) |
| | Torque | 35 lb-in. (4 Nm) | | |
| Electrical | Operating Voltage | 24 VAC +25%/-20% at 50/60 Hz | | |
| | Power Consumption | 2.3 VA | 3.0 VA | 2.9 VA |
| | Input Signal | 24 VAC +25%/-20% at 50/60 Hz | 24 VAC +25%/-20% at 50/60 Hz, with Time-Out | 0(2) to 10 VDC or 0(4) to 20 mA with field-furnished 500 ohm resistor |
| | Input Impedance | N/A | | 200k Ohms |
| | Equipment Rating | Class 2 or Safety Extra-Low Voltage (SELV) | | |
| | Feedback Signal | N/A | | 0 to 10 VDC or 2 to 10 VDC for 90° (10 VDC at 1 mA), Corresponds to input signal span selection |
| | Electrical Connection | 48 in. (1.2 m) UL 444 Type CMP Plenum Rated cable with 19 AWG (0.75 mm ²) conductors and 1/4 in. (6 mm) ferrule ends and Connector for 3/8 in. (9.5 mm) Flexible Metal Conduit. | | |
| Operation | Manual Override | External Push Button | | |
| | Time Out feature | N/A | Electronic stall detection ensures higher reliability by deactivating the actuator motor when a stall condition is detected | N/A |
| | Runtime for 90° of Rotation | 60 Seconds at 60 Hz / 72 Seconds at 50 Hz | | |
| | Rotation Range | 93° ±3°, CW or CCW | | |
| | Cycle Life | 100,000 Full Stroke Cycles; 2,500,000 repositions at rated running torque | | |
| | Mechanical Connections | Round Shafts - Up to 1/2 in. (13 mm) Square Shafts - Up to 3/8 in. (10 mm) | | |
| Environmental | Enclosure | NEMA 2 (IP42) | | |
| | Ambient Conditions (Non-Condensing) | Operating — -4 to 140°F (-20 to 60°C); 90% RH Max. Storage — -20 to 150°F (-29 to 66°C); 90% RH Max. | | |
| | Audible Noise Rating | 35 dBA Nominal at 39-13/32 in. (1 meter) | | |
| | Dimensions | 5.16 x 2.81 x 2.06 in. (131 x 71 x 52 mm) | | |
| | Weight | 1.25 lb (0.55 kg) | | |
| Conditions | Agency Certifications | United States/Canada - United States UL Listed, File E27734, CCN XAPX (United States) and XAPX7 (Canada) Actuator Housing is Plenum Rated per CSA C22.2 No. 236/UL 1995, Heating and Cooling Equipment Europe - CE Mark - Product is in compliance with the essential requirements and other relevant provisions of the EMC Directive 2004/108/EC and the Low Voltage Directive 2006/95/EC Australia/New Zealand - C-Tick Mark Australia/NZ Emissions Compliant | | |
| | Warranty | 5 Years limited from time of shipment. | | |

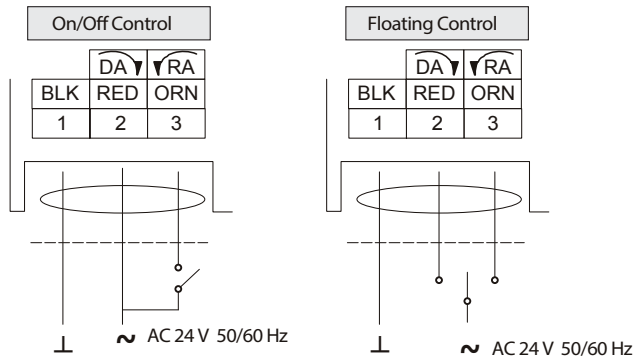
Non-Spring Return Commercial Actuators - VA24-35 Series Wiring



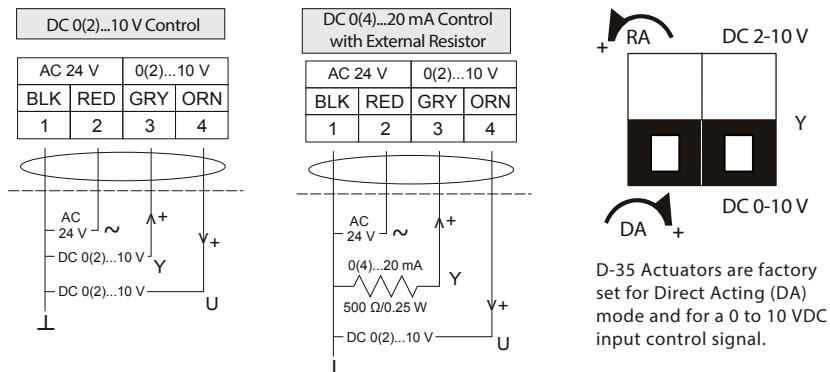
VA24-35-P PLENUM CABLE



VA24-35-PTO PLENUM CABLE



VAM24-35-P PLENUM CABLE



NOTE - To avoid excessive wear or drive time on the motor, use a controller and/or software that provides a time-out function to remove the signal at the end of rotation (stall).

Disclaimer - The performance specifications are nominal and conform to acceptable industry standards. For application at conditions beyond these specifications, consult the nearest Bray office. Bray controls shall not be liable for damages resulting from misapplication or misuse of its products.