

Non-Spring Return Commercial Actuators - VA24-35 Series

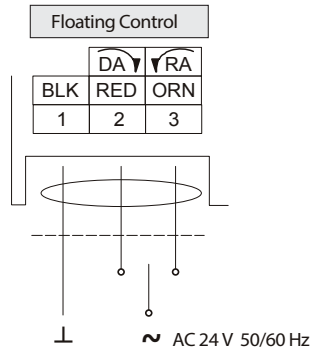


Technical Specifications - VA24-35 Series Actuator				
Type	Actuator Models	VA24-35-P	VA24-35-PTO	VAM24-35-P
			Non-Spring Return - Floating & On/Off (relay required)	Non-Spring Return - Floating with Time-Out & On/Off (relay required)
	Torque	35 lb-in. (4 Nm)		
Electrical	Operating Voltage	24 VAC +25%/-20% 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		
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		
Environmental	Mechanical Connections	Round Shafts - Up to 1/2 in. (13 mm) Square Shafts - Up to 3/8 in. (10 mm)		
	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.		

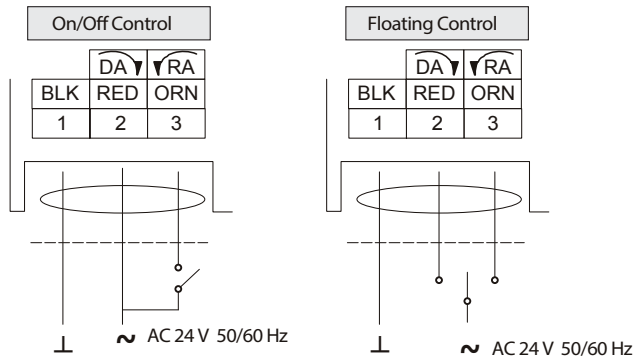
Non-Spring Return Commercial Actuators - VA24-35 Series Wiring



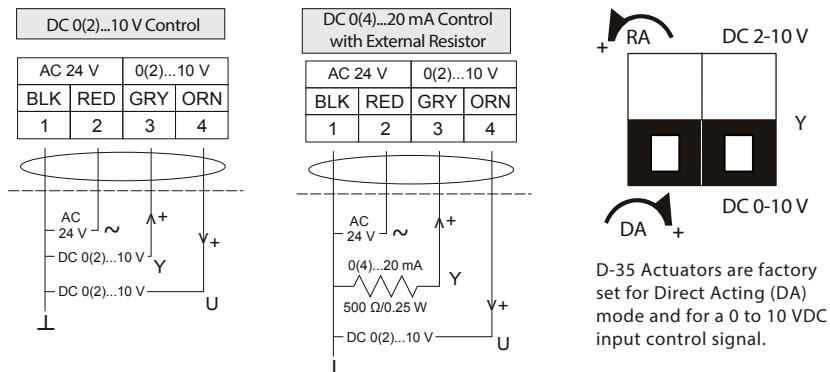
VA24-35-P PLENUM CABLE



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.