



VAM24-90-P-(A) — Submittal/Technical Data

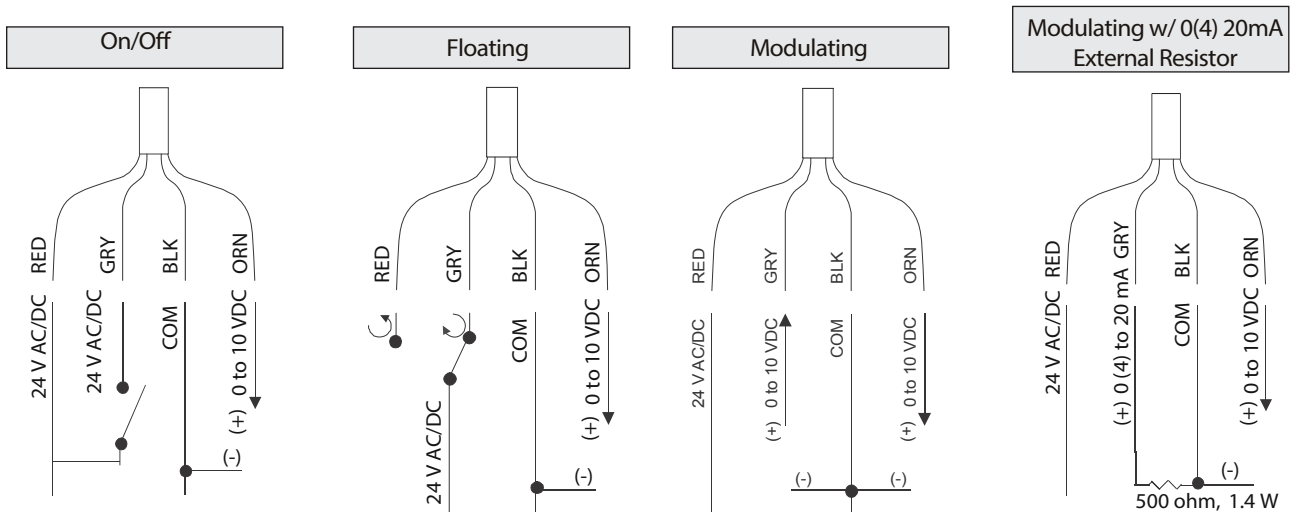
02/07/19

88 lb-in. — Non-Spring Return — On/Off, Floating, Modulating — Auxiliary Switch Option

Specifications:

Power Requirements	24 VAC (19.2 to 28.8 VAC) at 50/60, Class 2, 6 VA running. 24 VDC (21.6 to 28.8 VDC) Class 2
Mechanical Output	88 lb-in (10 Nm)
Transformer Sizing Requirements	<6 VA
Input Signal/Adjustments	On/Off, Floating Mode -19.2 to 28.8 VAC at 50/60 Hz or 24 VDC \pm 10% Class 2 Modulating Mode - 0 (2) to 10 VDC or 0 (4) to 20 mA with field furnished 500 ohm 1/4 W resistor Offset: 0 to 10 VDC SPAN: 2 to 10 VDC
Control Impedance	On/Off, Floating Mode 4.7k ohm Modulating Mode 100k ohm
Feedback Signal	Modulating Mode Only 0 (2) to 10 VDC
Rotation Range	Mechanically limited to 95° \pm 3°
Rotation Time	90 seconds
Rotation Time Auto Calibration	35 seconds
Cycles	100,000 full stroke cycles; 2,500,000 repositions
Audible Noise	<35 dBA at 39-13/32 in. (1 m)
Electrical Connections	120 in. (3.05 m) UL 444 Type CMP plenum rated cable with 19 AWG cable (0.75 mm ²) conductors and 0.25 in. (6 mm) ferrule ends
Conduit Connections	1/2 in. NPSM (13 mm) threaded conduit connectors with M9300-100 conduit connector
Ambient Conditions	Operating: -22 to 140°F (-30 to 60°C), 90% RH, noncondensing
Storage:	-40 to 185°F (-40 to 85°C), 95% RH, noncondensing
Enclosure	IP54/NEMA 5
Shipping Weight	2 lb (0.9 kg)
Compliance	United States: UL Listed, CCN XAPX, File E27734, Under UL 60730, UL 60730-2-14, Plenum Rated (UL 2043). Canada: UL Listed, CCN XAPX7, File E27734; Under CAN/CSA E60730 and CAN/CSA-E60730

Wiring: (Plenum Cable)



NOTE: WARNING: All VAM24-90 Series actuators are designed for use only in conjunction with operating controls. Where an operating control failure would result in personal injury and/or loss of property, it is the responsibility of the installer to add safety devices or alarm systems that protect against, and/or warn of, control failure.

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.