



PAM24-100-FS — Submittal/Technical Data

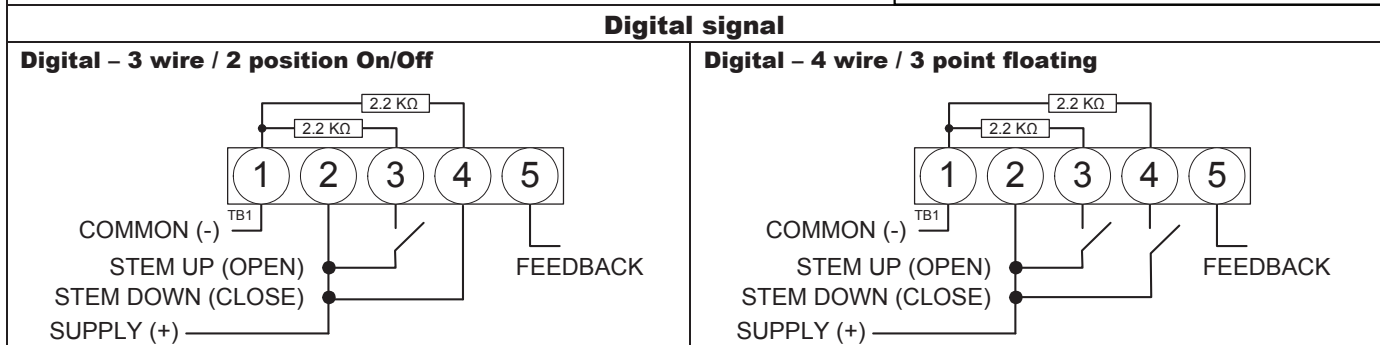
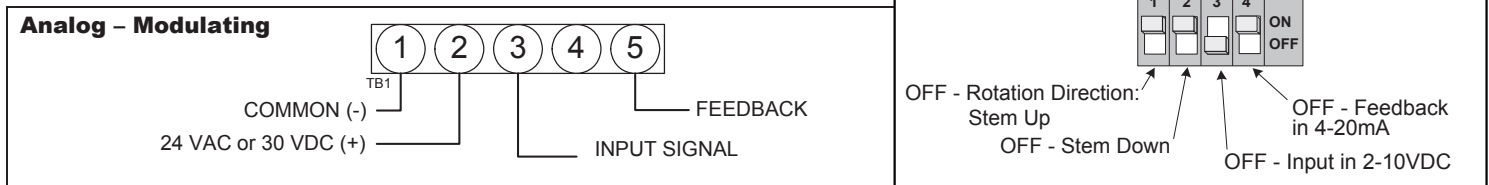
04/21/20

100 lb-force — Fail Safe — On/Off, Floating & Modulating

Specifications: For Simple Set PIC Valve sizes 1-1/2" to 2"

Power Supply	Operating Voltage	22 to 26VAC / 28 to 32 VDC
	Power Consumption	6VA, 20VA Start Up
Control Signal		2 Position On/Off (Digital-Pulse Width Modulation), 3 Point Floating, Modulating (Analog), 2-10VDC; 4-20mA
Feedback Signal		4 to 20 mA or 2 to 10 VDC adjustable (factory set 2-10 VDC)
Input Impedance		100 K
Run Time		90 Seconds
Failsafe Function		Electronic - Enerdrive ¹
Force		100 lb. [450 N] at rated voltage
Direction		Reversible, Up to Open - Default
Stall Protection		Auto Shutoff for end of travel and jammed/stuck
Auto Stroke		Yes
Enclosure Rating		NEMA Type 2 - Not intended for outdoor use without additional protection.
Manual Override		Yes
Ambient Conditions	Operating	0°F to 122°F (-18°C to 50°C)
	Storage	-22° to 122°F (-30° to 50°C)
	Humidity Rating	5 to 95% RH Non Condensing
Connection		Terminal Connection. Use 18AWG [0.8mm ²] minimum
Life Cycle		60,000
Audible Noise Rating		<35 dBA
Agency Certification		cULus, cCSAus, CE
Dimensions		(L) 4.80" x (W) 3.60" x (H) 6.93
Weight		2.0 lb. (0.9 kg)

Wiring: (Terminal)



Special consideration for Digital control

In this mode, the actuator is sensitive to induced electrical voltages from external sources. To prevent such interference, if the signal on pins 4 and 3 on TB1 are from an external 24 VAC source, install a resistor 2.2kohm, 0.5W between pins 4 and 1 and another of 2.2kohms, 0.5W between pins 3 and 1 of TB1. These resistors are included.

NOTE: ¹The Enerdrive system is a patented method of storing energy (using super capacitors) that is later used to drive the actuator to it failsafe position during a power failure. For additional operating information consult PAM24-100-FS Operation Manual. 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.