



PAM24-27-FS — Submittal/Technical Data

04/05/20

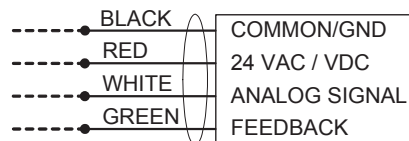
27 lb-force — Fail Safe — Modulating

Specifications: For Simple Set PIC Valve sizes 1/2" to 1-1/4"

Power Supply	Operating Voltage	22 to 26 AC/DC
	Power Consumption	10 VA
Control Signal/Input Signal		Analog, 0-10VDC or 2-10VDC; 4-20mA with external 500Ω resistor
Feedback Signal		0-10VDC or 2-10VDC
Input Impedance		100 K
Run Time		120 Seconds
Fail Safe Runtime		60 Seconds
Fail Safe Function		Electronic - Enerdrive ¹
Direction		Reversible. Default - Up to Open
Stall Protection		Auto Shutoff for end of travel and jammed/stuck
Auto Stroke		Yes
Enclosure Rating		IP54 (Equivalent to NEMA 3R) - Not intended for outdoor use without additional protection.
Manual Override		Yes
Ambient Conditions		Ambient Temperature
	Operating	36°F to 122°F (2°C to 50°C)
	Media Temperature	36°F to 248°F (2°C to 120°C)
	Storage	-22 to 122°F (-30 to 50°C)
	Humidity Rating	5 to 95% RH Non Condensing
Connection		4-wire halogen free cable 18 AWG (0.8 mm ²), 3.2 feet (1M) long
Life Cycle		30,000
Audible Noise Rating		>30dBA
Agency Certification		cULus, cCSAus, CE
Dimensions		(L) 4.09" x (W) 2.08" x (H) 4.18
Weight		0.9 lb. (0.4 kg)

Wiring: (Cable)

PAM24-27-FS Modulating, Failsafe



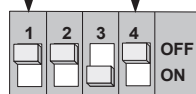
FAILSAFE CONTROLLED BY DIP SWITCHES

DIP Switches

DIP Switches
(default settings shown)

1) Rotation Direction

Switch Off: Default
Valve Open
(Stem Up) - (0VDC)
Switch On: Valve Closed
(Stem Down) - (0VDC)



4) Failsafe Direction

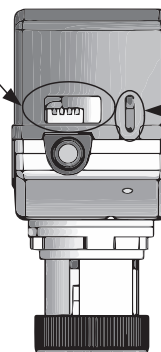
Switch Off: Valve Normally Open
(Stem Up)
Switch On: Valve Normally Closed
(Stem Down)

2) Anti-Stick System

Switch Off: Deactivated
Switch On: Activated

3) Input Analog -

Signal & Feedback
Switch Off: 2-10 VDC
Switch On: 0-10 VDC



LED Status

Normal: Flash 0.5 sec ON / 10 sec OFF
Error: Flash 0.2 sec ON / 0.2 sec OFF
Auto stroke: Continuous ON
Failsafe charge: Continuous ON
Failsafe operation: OFF

NOTE: ¹ The Enerdrive system is a patented method of storing energy (using super capacitors) that is later used to drive the actuator to its failsafe position during a power failure. For additional operating information consult PAM24-27-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.