

## PA Series Actuators PAM24-112

### Technical Specifications - PAM24-112 Actuator

Actuator Model		PAM24-112	For Simple Set 2" High Flow Valves & Simple Set Max PIC Valve sizes 2-1/2" to 3"	
Electrical	Type	On/Off, Floating and Modulating		
	Force	112 lb-force		
	Operating Voltage	24 VAC (+/-20%) at 50/60 Hz or 24 VDC (+20%, -10%)		
	Power Consumption	3.5 W, 6.6 VA		
	Input Signal	On/Off, Floating and Modulating - 0 to 10 V, Ri > 100kΩ		
	Feedback Signal	0 to 10 V, Load > 10 kΩ		
		Starting Point U <sub>0</sub>	0 or 10 V	
Control Span ΔU		10 V		
Switching Range X <sub>sh</sub>	200 mV			
Electrical Connection	5 x 20 AWG (0.20 mm <sup>2</sup> )			
Operation	Fail Safe	No		
	Action	Direct or Reverse Acting		
	Stall Protection	Auto Shutoff for end of travel and jammed/stuck		
	Runtime	150 Seconds default (DIP switch adjustable) at full stroke for Simple Set Max 2-1/2" & 3"		
	Response Time	200 ms		
	Stroke	0.31 to .78 inches (8 to 20mm)		
	Cycle Life	80,000		
Manual Override	Yes			
Environmental	Enclosure Rating	IP54 (NEMA 3S Equivalent); Flame Retardent Plastic - Not intended for outdoor use without additional protection.		
	Ambient Conditions	Ambient Temperature — 14° to 131°F (-10° to 55°C)		
		Max. Media Temperature — 212°F (100°C)		
		Humidity Rating — 5 to 85% RH Non Condensing		
Dimensions	(L) 6.40" x (W) 2.80" x (H) 7.90"			
Weight	2.1 lb. (1 kg)			
Misc	Agency Certifications	CE		
	Warranty	5 Years limited from time of shipment.		

Note: For additional operating information consult PAM24-112 IOM 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.

