



ELECTRO-PNEUMATIC POSITIONER EPR - ROTARY TYPE



Robust valve control device giving a confidence in reliable performance and outstanding durability under harsh working environments.

FEATURES:

- » Easy maintenance
- » Precise calibration with simple SPAN and ZERO adjustments
- » Simple conversion to direct acting or reverse acting
- » 1/2 split range available
- » Rugged aluminum housing with corrosion-resistant coating
- » Vibration resistant design
- » Stainless steel gauges standard
- » Restricted pilot valve orifice kit for small actuators included
- » Certified for ATEX Eex md IIB T5 (05 ATEX 1076X) by NEMKO in conformance with EN 50014:1997, EN 50018:2000 and EN 50028:1987
- » Certified for EMC (K1046/E04) in conformance with EN 61000-6-2:2001 and EN 61000-6-4:2001 by RWTUV
- » Certified for Ex md IIB T6 (99-1075-Q1), Ex md IIC T6 (2000-1057-Q1), and Ex ia IIB T6 (2000-1056-Q1) by KOSHA

OPTIONS:

- » Position transmitter (4...20mA output signal)
- » 2 X SPDT limit switch
- » 2 X P&F proximity sensor NJ2-V3-N
- » Visual dome indicator
- » High temperature



SPECIFICATIONS:

MODEL	EPR	
	Rotary Type (cam feedback)	
	Single	Double
Input signal	4~20mA DC	
Input resistance	235 ± 15 Ω	
Air supply	Max. 7.0bar (100psi) free of oil, water, and moisture	
Operating angle	60 ~ 100°	
Pneumatic connections	Rc 1/4 or NPT 1/4	
Electrical connections	G 1/2 or NPT 1/2	
Protection class	Ex md IIB T6, Ex md IIC(H ₂) T6, IP66, Ex ia IIB T6 Eex md IIB T5 for ATEX	
Ambient temperature	-20 ~ +70°C	
Pressure gauge	Stainless steel	
Output characteristics	Linear	
Linearity	Within ± 1.0% F.S	Within ± 1.5% F.S
Sensitivity	Within ± 0.5% F.S	
Hysteresis	Within 1.0% F.S	
Repeatability	Within ± 0.5% F.S	
Air consumption	5 LPM (Sup. 1.4 kgf/cm ³)	
Flow capacity	80 LPM (Sup. 1.4 kgf/cm ³)	
Material	aluminum die-cast	
Weight	3.5 kg (with terminal box) 3.2 kg (without terminal box)	

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