



SMART POSITIONER SS2



Smart performance with innovative and ever-strong coil module even under harsh working environments.

FEATURES:

- » Easy and quick auto-calibration
- » Detecting RA (reverse acting) or DA (direct acting) automatically regardless of wrong air connections
- » Available to use for single or double acting without any special adjustments
- » Compact design allowing to be installed on small actuators
- » Providing error messages against performance failures
- » Possible to test the actuator with any fixed signal under a test mode
- » Programmable characteristic curve with 17 points
- » Wide operating temperature range -40 ~ +80°C
- » Improved control of high-friction globe and ball valves by eliminating an overshoot and a hunting
- » Low air consumption
- » Providing a mounting bracket to meet IEC 60534-6-1 for linear valves
- » Supporting a NAMUR mounting pattern VDI/VDE 3845 (IEC 60534-6-2) and providing a multi-size mounting bracket for rotary valves

OPTIONS:

- » Output position transmitter (4 - 20 mA)
- » 2 x alarm limit or micro switch (SPDT)
- » By-pass (Auto / Manual screw)
- » Intrinsically safe Ex ia IIC T6/T5
- » HART communication
- » Profibus PA communication
- » Fieldbus FF communication



SPECIFICATIONS:

COMMUNICATION	WITHOUT	HART	PROFIBUS - PA	FOUNDATION FIELDBUS
Input Signal / Bus voltage	4-20mA @ 24 VDC		9 - 32 VDC	
Min. / Max. Current	3.6 mA / 50mA		-	
Current Consumption	-		15mA	16mA
Voltage Drop (resistance)	8.7 VDC (435Ω @ 20mA)	9.4 VDC (470Ω @ 20mA)	-	
Stroke / Angle	Linear type : 8 - 130mm * Rotary type : 25 - 120°			
Air Supply Pressure	1.4 - 7.0 bar (20 - 100 psi)			
Output Pressure Range	0 - 100% of supply air pressure			
Air Capacity	80 ℓ/min = 4.8 Nm ³ /h = 2.8 scfm (Sup = 1.4 bar) 233 ℓ/min = 14 Nm ³ /h = 8.2 scfm (Sup = 6 bar)			
Air Consumption	2.8 ℓ/min = 0.17 Nm ³ /h = 0.1 scfm (Sup = 1.4 ~ 6 bar)			
Characteristic	Linearity < ±0.3% F.S Sensitivity < 0.2% F.S Hysteresis < 0.2% F.S Repeatability < 0.2% F.S			
LCD Indicator	4-digit LCD indicator			
Adjustable Speed	1 - 1000 (lowest 1, highest 1000)			
Scan Time	2ms			
Shut-off Value	Range 0 ~10% of position signal			
Valve Action	direct action(DA) / reverse action(RA)			
Operating Temperature	-40 ~ +80°C			
Pneumatic Connections	PT 1/4, NPT 1/4			
Electrical Connections	PT 1/2, NPT 1/2, M20 x 1.5			
Protection Class	IP66 Intrinsically safe (Ex ia IIC T6/T5) T6 : -40 ~ +40°C T5 : -40 ~ +80°C			
Body Material	Aluminum die-cast / powder-painted			
Weight	1.6 kg			

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