

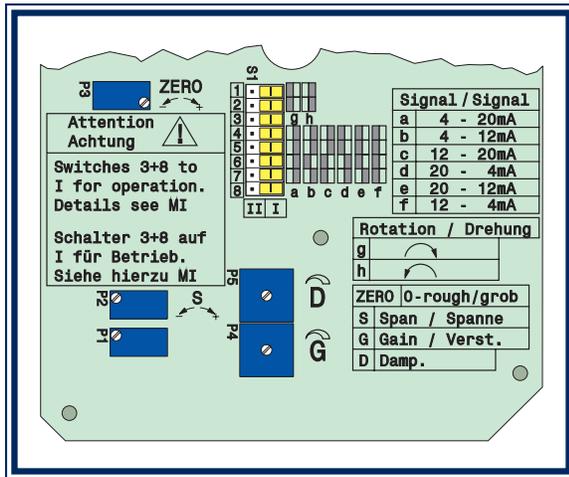
Analog Positioner SRI990



SRI990 — Easy Operation and Compact Design

- Analog valve control with fast control behavior
- Easy local operation and adjustments
- Valve action and rotation configurable by dip switches
- Electrical adaptation of zero and span by potentiometers
- Gain and damping independently adjustable
- Switch for pneumatic test
- Load 300 Ω
- Easy mounting to all linear and rotary actuators
- Optional features:
 - Limit switches (inductive or micro switches)
 - Position feedback 4 to 20 mA





Local operation and configuration



Example for mounting on rotary valves

The SR1990 analog positioner with analog input 4 to 20 mA is designed to operate pneumatic valve actuators. It offers easy adjustment and configuration by means of switches and potentiometers. The modular structure of the POSYS positioner series enables conversion from an analog to an intelligent positioner by simply exchanging the electronics.

Technical Data

Analog	Setpoint 4 to 20 mA
	Load 300 Ω
Characteristic of setpoint	Linear
Adjustments by dip switches for	Direction of rotation, signal range, split range, direct or reverse action
Adjustments by potentiometers for	Zero and span, gain and damping
Pneumatic test	By dip switch
Display	Mechanical indicator (standard)
Air supply	1.4 to 6 bar (20 to 90 psig), or 1.4 to 7 bar (20 to 105 psig) with "spool valve"
Stroke range	8 to 260 mm (0.3 to 10.2 in)
Angle of rotation	Up to 95 degree angle
Protection class	NEMA 4X or IP 65
Electrical classification	ATEX FM/CSA
	Intrinsic safety II 2 G EEx ia IIC T6
	Intrinsic safety Class I, Div. 1, Groups A, B, C, D
Electrical connection	M20 x 1.5 or 1/2-14 NPT (others with Adapter AD-A6)
Pneumatic connection	G1/4 or 1/4-18 NPT
Ambient temperature	-40° to +80° C (-40° to +176° F)
Weight	Single acting: 1.7 kg (3.7 lb) Double acting: 2 kg (4.4 lb)
Options	Inductive limit switches (2- or 3-wire) or mechanical switches (microswitches) Position transmitter (4 to 20 mA) Gauge manifold, volume booster
Attachment to:	Linear actuators According to IEC 534 Part 6 (NAMUR) and VDI/VDE 3847
	Rotary actuators According to VDI/VDE 3845 and VDI/VDE 3847
	Any other linear or rotary actuator by means of extensive attachment kit offering

Reference Documents:

PSS EVE0107 A (en)
MI EVE0107 A (en)



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