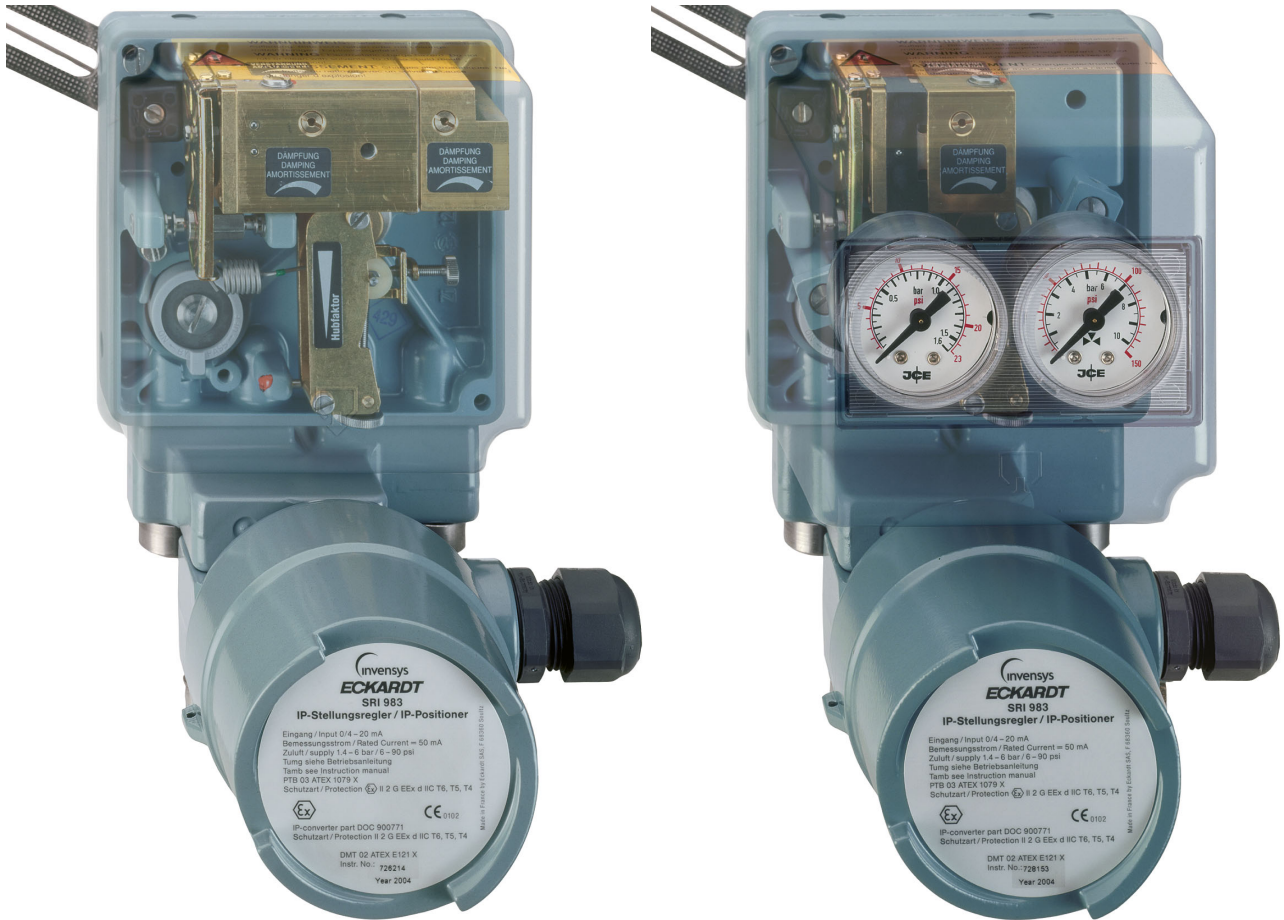


Electro-Pneumatic Positioner SRI983



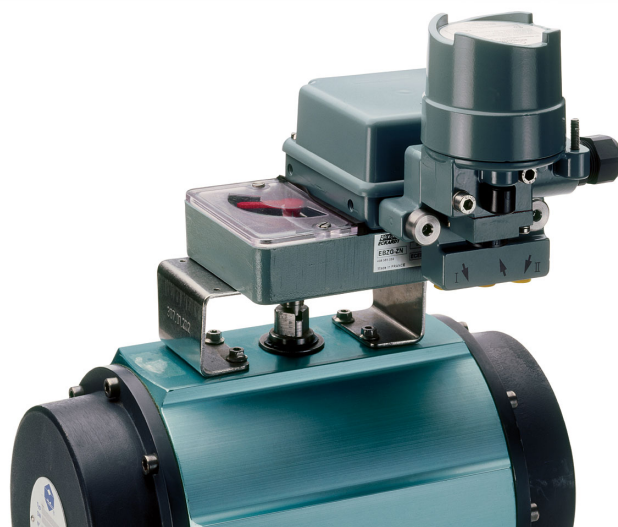
SRI983 - The classic explosionproof application!

- Analog valve control with fast control behavior
- Input 4 to 20 mA
- Load only 260 Ohms - ideal for split range
- Easy local mechanical configuration
- Mechanical adaptations by setting-screws
- Independent adjustment of zero and span
- Gain and damping independently adjustable
- Electrical I/P converter separate from pneumatic unit
- Mounting to all linear and rotary actuators
- Options:
 - Integrated gauges
 - Volume boosters (independent from positioner)
 - Fail Freeze block relay





Example for mounting on linear valves, version with integrated gauges.



Example for mounting on rotary valves.

Technical Data

The SRI983 Positioner is designed for operation of pneumatic valve actuators from control systems and electrical controllers with electric control signals.

It is used to reduce the adverse effects of valve friction, for higher thrust and shorter positioning time.

Analogue	Setpoint: 4 to 20 mA
	Load 260 Ohms
Characteristic of setpoint	linear, equal-percentage or invers-equal-percentage (by cams)
Split Range	up to 3-fold
Valve Action	direct or reverse adjustable
Zero and Span	independently adjustable
Gain and Damping	independently adjustable
Air Supply	1.4 to 6 bar (20 to 90 psig)
Stroke Range	8 to 200 mm (0.3 to 8.0 in)
Angle of Rotation	30 to 180 degree angle
Protection Class	IP 65 (ATEX) / NEMA 4X (FM and CSA)
Electrical Classification	ATEX "flameproof" II 2 G EEx d IIC T6
	FM and CSA "explosion proof" Class I, Div. 1, Groups B, C, D
	"dust ignition proof" Class II, Div. 1, Groups E, F, G
Electrical Connection	M20 x 1.5 or 1/2-14 NPT
Pneumatical Connection	1/4-18 NPT
Ambient Temperature	-40 to +80 °C (-40 to +176°F)
Humidity	up to 100 %
Weight	1.5 kg / 3.3 lbs (double acting: 1.7 kg / 3.7 lbs)
Options	Manifold with staggered connection
	integrated gauges
	Volume boosters (external mounted)
	Fail Freeze block relay
Attachment to linear actuators	acc. to IEC 534 Part 6 (NAMUR)
Attachment to rotary actuators	acc. to VDI/VDE 3845
	any other linear or rotary actuator by means of extensive attachment kit offering

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