

Universal Positioner SRD960



SRD960 - Intelligent Valve Control with Universal Applications.

- Easy to operate, menu-driven with graphical LCD
- Multilingual full text Display, backlighted for easy reading
- Backlighted LCD
- All parameters can be configured locally by push buttons
- Status- and diagnostic messages displayed in LCD
- Certified for Safety Applications up to SIL 3
- Partial Stroke Test (PST) for emergency shutdown applications
- ATEX and FM aproval for EEx d - “flameproof”/“explosionproof”
- HART Protocol with only 360 Ohms load at 20 mA
- PROFIBUS-PA acc. to IEC 1158-2 based on FISCO
- FOUNDATION Fieldbus H1 acc. to IEC 1158-2 based on FISCO with PID, AO, 2xDI, DO function blocks and LAS functionality
- Infrared Interface for wireless communication
- Easy mounting to all linear and rotary actuators
- Options:
 - Limit switches or position transmitter
 - Integrated gauges and volume boosters
 - Pressure sensors for supply air and outputs



Operation



Configuration



Diagnosis report



Positioner Report created with VALcare™ DTM



Example for mounting on rotary actuators.

Technical Data

The SRD960 offers the most advanced technology available on the market today.

This includes among others an infrared interface for wireless operation and configuration, a multi-lingual full-text graphic LCD and an availability with the choice of all in the process automation applied communication protocols. It offers enhanced applications and methods to analyze recorded stroke data.

The advanced diagnostic can be partially shown on the local LCD of the positioner or fully on a PC or a DCS workstation like IA Series System thanks to a DTM based software (VALcare or Valve Monitor).

The SRD960 has also the capability to control a Partial Stroke Test (PST) that offers operators a tool to identify the trouble-proof function of ESD (Emergency Shut Down) valves.

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Intelligent	Autostart with self calibration
	Self-diagnostics
with Communication	Advanced diagnostics for Valve predictive maintenance
	Configuration of characteristic curves
Display	Travel-stop and cutoff functions
	HART Setpoint 4-20 mA
	Load 360 Ohms at 20 mA
	PROFIBUS PA and FOUNDATION Fieldbus H1
	Fieldbus Protocol acc. to IEC 1158-2 (FISCO)
	Base current 10.5 mA ± 0.5 mA
	FDE (Fault Disconnection Electronic)
FoxCom Digital	
LEDs	Multilingual Graphical LCD with full-text-display:
	display of %-valve-position, actuator position in mm, inch or °, setpoint or loop current, travel sum- and cycle counter etc.
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, optional up to 300 degree
Protection Class	IP 66 or NEMA 4X
Electrical Classification	ATEX II 2 G EEx d T4 / T6 (flameproof)
	FM Cl. I, Div. 1, Groups A, B, C, D (explosionproof)
Electrical Connection	M20 x 1.5 or 1/2-14 NPT (others with Adapter AD...)
Pneumatic Connection	G1/4 or 1/4-18 NPT
Ambient Temperature	-40 to +80 °C (-40 to +176 °F)
Weight	2.7 kg / 3.7 lbs (double acting: 3 kg / 4.4 lbs)
Optional Features	Inductive Limit Switches (2- or 3-wire)
	Mechanical Switches (Micro Switches)
	Position Transmitter (4 to 20 mA)
	Binary Inputs or Binary Outputs or Binary Inputs/Outputs dedicated to SIS logic solvers*
	External potentiometer (*e.g. TRICONEX)
Attachment to linear actuators rotary actuators any other linear or rotary actuator by means of extensive attachment kit offering	acc. to IEC 534 part 6 (NAMUR) and VDI/VDE 3847
	acc. to VDI/VDE 3845 and VDI/VDE 3847