

SRD992 Digital Positioner

- Configuration by means of local keys and LEDs
- Load 320 Ω
- Low air consumption
- Stroke 8 to 120 mm (0.3 to 4.7 inch)
- Angle range up to 95 degree
- Supply air pressure up to 6 bar (90 psig)
- Single acting or double acting
- Mechanical travel indicator
- Reverse polarity protection and interlock diode
- Autostart with self-calibration
- Self diagnostics
- Attachment to stroke actuators directly or according to IEC 534 part 6 (NAMUR)
- Attachment to rotary actuators according to VDI/VDE 3845

Additional equipments (compatible to SRD991/SRI990):

- Two binary control inputs for 'open / close' and 'stop at last value'
- Position feedback 4-20 mA and alarm, galvanically separated
- Two limit switches, galvanically separated
- Integrated inductive limit switches, independent of device electronics

Input

Two-wire system
 Reverse polarity protection . . . feature
 Interlock diode feature
 Signal range 4 to 20 mA
 Operating range 3.8 to 21.5 mA
 Voltage DC 8 to 48 V
 Load 320 Ω , 6.4 V at 20 mA

Supply

Supply air pressure 1.4 to 6 bar (20 to 90 psig)
 Supply air according to IEC 654-2



The digital Positioner SRD992 with analog input 4 to 20 mA is designed to operate pneumatic valve actuators. It offers the enhanced functionality of highly modern positioners such as Autostart for the determination of the control parameters as well as comfortable on site operation. The modular structure of the PO-SYS product line enables conversion to HART, FOXCOS or Fieldbus.

- Protection class IP 65 and NEMA 4X
- Explosion protection:
 EEx ia IIC T4 according to CENELEC
 or "Intrinsic safety" according to FM

Accessories (compatible to SRD991/SRI990):

- Gauge attachment for supply air and outputs
- Booster relay

Response characteristic

Sensitivity 0.1 % of travel span
 Non-linearity (terminal
 based adjustment) ≤ 0.4 % of travel span
 Hysteresis ≤ 0.3 % of travel span
 Supply air dependence ≤ 0.1 %/1 bar (15 psi)
 Temperature effect ≤ 0.3 %/10 K
 Mechanical vibration
 10 to 60 Hz up to 0.14 mm,
 60 to 500 Hz up to 2 g ≤ 0.25 % of travel span

For complete specification, refer to Product Specification Sheet PSS EVE0106 A-(en)

Model Codes

Digital Positioner	SRD992											
Version												
Single acting								-B				
Double acting								-C				
Input												
Signal range 4 - 20 mA								I				
Additional Inputs/Outputs												
without								M				
Prepared for additional In-/Outputs (a)								N				
Binary inputs (a)								B				
Two Binary outputs (a)								P				
Position feedback 4-20 mA (a)								Q				
Built-in limit switch												
without								S				
Inductive limit switch explosion protection EEx ia IIC T6 (a)(standard version)								T				
Inductive limit switch explosion protection EEx ia IIC T6 (a) (security version)								U				
Cable Entry												
PG13.5 with one plastic cable gland, color gray								2				
Electrical classification												
without								ZZZ				
EEx ia IIC T4								EA4				
FM Non-incendive for Class I, Division 2, Groups A, B, C, D, hazardous locations indoors and outdoors, NEMA 4								NFM				
FM approved for intrinsic safety Class I, Division 1, Groups A, B, C, D, hazardous locations indoors and outdoors, NEMA 4								FAA				
CSA approved for intrinsic safety Class I, Division 1, Groups A, B, C, D, hazardous locations indoors and outdoors								CAA				
RUSSIAN intrinsically safe (b)								GAA				
Options												
Tag.No. Labeling Stamped with weather resistant color								-G				
Tag.No. Labeling Stainless steel label fixed with wire								-L				
Footnotes												
(a) only with Electrical classification ZZZ / EA4												
(b) pending												
<table border="1" style="width: 100%;"> <tr> <td style="width: 15%;">Fittings</td> <td>see EOO9001</td> </tr> <tr> <td>Auxiliary</td> <td>see EVE9902</td> </tr> </table>									Fittings	see EOO9001	Auxiliary	see EVE9902
Fittings	see EOO9001											
Auxiliary	see EVE9902											