

DeZURIK P30A INTELLIGENT DIGITAL POSITIONERS

Smart, Reliable Valve Control

The P30A Digital Positioner delivers intelligent, dependable valve control in a wide range of applications. The design is compact and is well suited for DeZURIK VPB V-Port Ball Valves and RCV Rotary Control Valves with Diaphragm or PowerRac Actuators. It can be equipped with integrated limit switches and continuous position feedback for enhanced control and monitoring.

Intuitive Navigation and Effortless Calibration

Designed for ease of use, the positioner features an integrated LCD interface with a five-button keypad, enabling straightforward menu navigation and rapid access to all configuration settings. Calibration is streamlined through a dual-button operation, simply press two buttons simultaneously to initiate a fast and precise auto-calibration sequence. For immediate status feedback, tri-color LEDs (green, yellow, red) offer clear visual indication of operational status, including normal function, valve position (fully open/closed), or alarm conditions, ensuring operators can assess system health at a glance.

Designed for Harsh Environments

Engineered for reliability in harsh environments, the P30A features a weatherproof housing rated to IP66. Remote mounting options further extend its usability in extreme conditions involving high temperatures, vibration, or limited accessibility. The robust internal design includes a durable spool valve which ensures long-term, maintenance-free operation, even under demanding plant conditions.



Optional Features for Maximum Flexibility

Additional options include plug-in limit switches, a 4-20 mA position transmitter, pressure sensors for diagnostic monitoring, a dome indicator for local valve position visibility, gauge block, and ValveSight™ DTM advanced diagnostic software. The positioner is available with either remote or integrated mounting configurations, ensuring installation flexibility across a wide array of system layouts.



Positioner Specifications

Order Code	P30A Digital
Air Supply (psi)*	20-115 psi
Linearity	< 0.4% of full scale
Hysteresis	< 0.3% of full scale
Repeatability	< 0.5% of full scale
Air Consumption	0.31 SCFM @ 87 psi
Air Delivery	29.3 SCFM @ 87 psi
Input Impedance	800 Ohm @ 24 VDC
Temperature Range	-40° to 176°F (-40° to 80°C)
Weight	4.0 lbs (1.8 kg)

* Check maximum pressure of actuator; regulator may be required.



Ordering

The P30A can be used with DeZURIK Diaphragm Actuators, PowerRac Actuators or Knife Gate Valve Cylinder Actuators. For single acting applications one port should be plugged.

Positioner Description

Give positioner description code as follows:

P30A = 4X/IP66 Enclosure, Single and/or Double Acting

Communication Description

Give communication description as follows:

H = HART (Use for all 4-20mA Applications)

Diagnostic Description

Give diagnostic description as follows:

(Leave blank if not required)

PRS = Pressure Sensors for Advance Diagnostics

Options

Give options code as follows:

(Leave blank if no options are required)

G = Gauge Block & 3 Gauges, 0-160 psi, use with Double Acting Positioners

F = 4-20 mA Transmitter Feedback

CVT = Control Valve Test Report, Test Report of Control Valve Response Measurement from Step Input. (Available on VPB and RCV only)

Ordering Example:

BHP,6,L1,S2,TC,S2-S5B-FT-RT*DR-40B-SP60-R,P30AH-AFR2

Notes: Cover with Dome Indicator, internal switches, or ValveSight™ DTM advanced diagnostic software is available on application.

Air filter regulators (AFR2) should be used on the supply line of every positioner.

Include "4-20 mA signal range" and positioner action as "increasing signal to open" or "increasing signal to close" as setup text on item line. The standard positioner setup for "spring to close" actuators is "increasing signal to open". The standard positioner setup for "spring to open" actuators is "increasing signal to close". Contact application engineering for non-standard positioner setup.

Sales and Service

For information about our worldwide locations, approvals, certifications and local representative:

Web Site: DeZURIK.com E-Mail: info@DeZURIK.com



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