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Robust, Compact and Easy to Operate

Positioner Types 8791 and 8792 / Process Controller Type 8793



- Outstanding, highly dynamic control accuracy
- One version for both single-acting and double-acting actuators
- Graphic display with user-friendly menu navigation
- With IP 65/67 protection type for tough environments
- Optional PROFIBUS version DPV1
- Remote version for externally connectable displacement sensors

Superior State-of-the-art

With our new Type 8791/8792 positioners and Type 8793 process controller, we have adapted electropneumatic position control to meet the requirements of tomorrow. Optimal control accuracy in a robust, extremely compact housing. Moreover, fewer variants mean less warehousing and just one version is required for both single-acting and double-acting actuators. External operation is particularly easy due to the backlit large-screen display, which features a self-explanatory four-key system. These advantages are available with distinctly higher performance and efficiency at considerably lower costs. In a word: with its efficient components, Bürkert comes yet another step closer to the customer.

SideControl Type 8792
Also available as a remote version for external displacement sensors



Process Controller Type 8793
Also available as a remote version for external displacement sensors



SideControl Type 8791 Basic
Also available as a remote version for external displacement sensors



SideControl Type 8791 Basic
Designed as a control cabinet module for external displacement sensors



Top Performance, Ultra-easy Operation, and High Flexibility

Our new positioners combine performance with enhanced customer benefit, even under tough daily conditions. This device series features outstanding, highly dynamic control accuracy and covers an air flow rate range of 7...100 NI/min (150 l/min at 6 bar). These performance characteristics can be flexibly utilized due to various attachment options – installation on the actuator with remote displacement sensor or in control cabinets. The components are easy to commission and even easier to operate.

Maximum Cost-efficiency

The reduction in variants allows you to minimize your required stock, thus saving you, the user, money. Starting immediately, you can deploy a single actuating system for the entire air flow rate range (taken directly from the network, without the need for costly compressed air reduction) – now even in a version for both: single-acting and double-acting actuators. An obvious cost reduction factor is the fact that control air is not consumed when adjusted to the correct value. Less obvious is the fact that our intelligent positioners, which feature a 3-wire circuit, are considerably less expensive than comparable competitive devices with 2-wire circuits.

Products with Maximum Market Relevance

The new SideControl positioners from Bürkert represent your transition to a productive future with distinct competitive advantages. We offer you a greater technological lead for a lower price, taking into account more compact overall sizes and higher application flexibility. Our state-of-the-art, high-performance technology includes user-defined standardization and simplified processes by utilizing an operating concept identical to that of Bürkert's TopControl 8692 positioner.

Technical Data

Positioner with internal or external displacement measurement system

FUNCTION

- Process controller with automatic type detection to the control loop and automatic parameterization (temperature, pressure, filling level, and flow rate)
- Actual process value 4...20 mA, Pt100 or frequency signal

ELECTRICAL INPUTS AND OUTPUTS

- Set-point presetting via standard signals 0(4)...20 mA / 0(5)...10 V or PROFIBUS DPV1
- Binary input
 - Two optional binary outputs
 - Optional initiators for detecting the end positions
 - Optional analog feedback

ACTUATING SYSTEM AIR FLOW RATE

Single-acting and double-acting up to 150 NI/min (at 6 bar)

SUPPLY PRESSURE

1.4 – 7 bar

HOUSING

Materials: Aluminum/plastic/stainless steel
Protection type: IP 65 and IP 67

OPERATING VOLTAGE

24 V DC +/- 10%

DETECTION OF END POSITIONS

Optional inductive proximity switches

COMMUNICATION

Optional PROFIBUS DPV1 for Type 8792 and Type 8793
Optional AS-interface for Type 8791



Mounting on rotary actuator in accordance with VDI/VDE 3845



Mounting on yoke actuator in accordance with NAMUR IEC 534-6



Combined with Bürkert process control valve as a remote version for external displacement sensors