

Closed Loop Position Controllers



This new generation closed loop position controller is for quarter turn actuators. Product delivers high functionality at a price significantly less than that of typical closed loop position solutions. The electro-pneumatic CMSX positioner provides proportion closed loop control for liquids, gases, or any application utilizing a quarter turn actuator, in such industries as food and beverage, water/wastewater, paper manufacturing and pharmaceutical. The unit is equipped with two digital output signals for alarms and a 4-20mA output signal that provides data on the actual position of the valve for greater overall feedback and closed loop control. For maximum energy savings, once the position of the actuator is reached, the unit goes into rest mode and air consumption drops to zero. Most other positioners continue to bleed air while in a rest state causing a higher demand on the overall pneumatic system. To ensure safety the unit can be predefined to fail in-place or in the open or closed position, therefore the OEM can design with the confidence of predefined fail positions in the event of an electrical system failure or use of the digital input signal for emergency shutdown mode. Product is self-commissioning for simple set up and comes standard with a teach function that makes it easy to delineate the valve's specified range of motion. Each unit can accommodate 0-10V, 4-20mA, or 0-20mA input, which simplifies ordering — one part number covers all three.

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Published on Food Manufacturing (<http://www.foodmanufacturing.com>)

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Source URL (retrieved on 01/26/2015 - 11:11pm):

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