



ELEVATING CONTROL VALVE RELIABILITY AND DIAGNOSTICS

ICOT DIGITAL POSITIONER

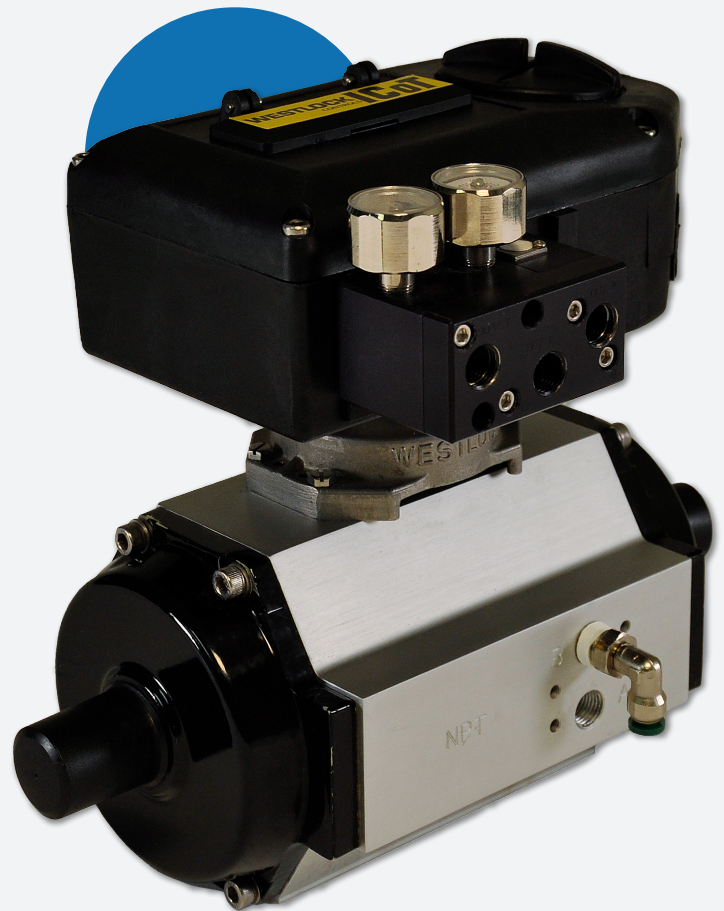
WESTLOCK
CONTROLS

INTRODUCTION

Welcome to Westlock Controls, the global leader in valve monitoring and control solutions. For over four decades, we've been dedicated to engineering products that stand the test of time and provide our customers with the diagnostic tools needed for optimal operational performance.

Discover the enduring reliability of Westlock Controls' ICoT Digital Positioner, a cornerstone valve control solution for over 15 years. Across industries like oil and gas, chemical, power, pulp and paper, and food and beverage, the ICoT series has established itself as a symbol of dependability. With approvals for both Intrinsically Safe and Non-Incendive applications, the ICoT Digital Positioner offers unparalleled versatility and safety in the most demanding environments.

Delivering precise position control modulation, our digital positioners ensure effective control for both rotary and linear valves. With support for HART, FOUNDATION Fieldbus, and Profibus PA protocols, seamless integration and flexibility across systems are assured.



RELIABLE DESIGN

The ICoT Digital Positioner revolutionizes valve control with cutting-edge non-contact sensing technology, replacing conventional mechanical systems prone to wear. Utilizing advanced Hall Effect sensors, it ensures precise magnetic feedback, maximizing product lifespan and reliability. By eliminating mechanical components vulnerable to degradation, the ICoT sets a new industry standard for digital precision in valve control, promising unparalleled longevity and performance.

The ICoT boasts a robust spool valve manifold engineered for durability, rated for up to an impressive two billion cycles of operation. This innovative spool valve design ensures unparalleled reliability in valve control applications, minimizing wear and tear even under demanding conditions. By providing smooth and precise modulation of control signals, the spool valve manifold enhances the overall performance and longevity of the positioner, making it an indispensable component for achieving optimal operational efficiency and reliability in industrial settings.



Position feedback is essential for effective valve control, and the ICoT excels in providing precise and reliable feedback for optimal performance. Featuring a standard 4-20mA feedback transmitter, the ICoT offers accurate position feedback upon installation. Users can select from a range of feedback options, including limit switches, mechanical SPDT, Magnum proximity, and inductive proximity, allowing for customization to suit specific application needs. This comprehensive feedback capability enables operators to monitor valve position effectively, detect deviations from set parameters, and promptly address issues, ensuring smooth and efficient operation of the valve system.

Westlock's ICoT revolutionizes valve control with its remote mount capability, offering unmatched flexibility and safety in challenging environments. By allowing remote mounting from the controlled device, operators gain the ability to isolate the positioner, particularly in high-vibration, corrosive, or hard-to-reach locations. This innovative feature not only enhances operational safety but also ensures optimal performance and longevity of the positioner by protecting it from potentially damaging external factors. Whether in hazardous locations or remote areas, the ICoT Digital Positioner's remote mount capability delivers reliability and peace of mind, solidifying its position as a cutting-edge solution in digital valve control technology.



ADVANCED DIAGNOSTICS

The ICoT Digital Positioner boasts advanced diagnostic capabilities that enable proactive monitoring and troubleshooting of valve performance. With features like stick-slip detection, it can identify irregularities in valve movement, ensuring smooth operation. Detection of excessive static position error alerts users to potential issues with valve positioning accuracy, allowing for timely adjustments.

Moreover, the ICoT is equipped with an onboard pressure sensor that can detect low air supply pressure, clogged air supply filters, and restricted transducer nozzles, providing insights into potential airflow issues that may impact valve function. It also alerts users to transducer diaphragm air leaks and non-functioning spool valves, enabling swift maintenance actions to prevent downtime.

Additionally, the positioner's calibration error detection ensures precise valve calibration, enhancing overall system performance and reliability. With its comprehensive diagnostic capabilities, the ICoT Digital Positioner empowers operators to address potential issues promptly, optimizing valve efficiency and minimizing operational disruptions.



SEAMLESS CONNECTIVITY

Westlock's ICoT Digital Positioner stands out with its intuitive interface, featuring a 3-button interface and graphical LCD for effortless calibration and information display. With easy configuration options for split range and reverse acting operation, it offers unparalleled flexibility to suit diverse valve applications. The advanced auto calibration feature ensures precise and efficient setup, saving valuable time and resources during commissioning. By automating the calibration process, the ICoT Digital Positioner eliminates the need for manual adjustments, reducing the risk of human error and ensuring optimal performance from the outset.



ENHANCE VALVE PERFORMANCE

The ICoT Digital Positioner stands as an advanced solution tailored to meet the evolving needs of modern industrial plants. Equipped with fieldbus protocols, it offers seamless integration and enhanced diagnostic capabilities, providing actionable insights to ensure optimal valve performance and operational efficiency. With its innovative features and robust design, the ICoT empowers plant operators to proactively monitor, analyze, and address potential issues, thereby minimizing downtime and maximizing productivity. Embrace the future of valve control with Westlock's ICoT and elevate your plant's performance to new heights.

CONTACT US

Phone: +1-201-794-7650

Email: globalsalesupport@westlockcontrols.com