DC Powered Actuators

Exlar Corporation announces the release of its Tritex II™ DC Powered line of actuators, which integrates power and control electronics with brushless servo motors and actuators in one compact package. Their next-generation design merges the power density of traditional technologies with the efficiency and cost-effectiveness inherent in electric actuators.
Exlar's Tritex II DC powered actuators combine electronic power with advanced thermal management modeling to set new standards in power density of integrated actuators. These actuators maximize power in smaller packages, without sacrificing performance or reliability. Offering continuous forces of 1,000 pounds, 1,300 pounds peak and speeds reaching 33 in/sec, these innovative actuators exceed the force and speed capabilities found in similar competitive products. By housing the servo drive, digital positioner and actuator in one integrated package, a self-contained motion control solution is created that eliminates the need for large control panels, costly servo power and feedback cables, as well as reduces labor costs for mounting and wiring.

Offering a wide range of I/O capabilities, such as digital I/O, analog I/O and communication buses including Ethernet/IP, Modbus TCP and PROFINET IO, the Tritex II DC provides superior control and connectivity. Featuring multiple protocol options and operating from 12-48 VDC, the actuator easily connects to industrial electronic devices on the same network. Plus, with Exlar's unique Expert software, users can effortlessly configure and control the Tritex II DC. Through Expert software's numerous modes, manufacturers can input parameter data, initiate control functions, monitor operations, view diagnostics, configure I/O, duplicate configurations in multiple units and more.

Tritex II DC actuators provide motion control in both linear and rotary applications—allowing them to accommodate a wide range of applications, including demanding environments. Linear actuators employ Exlar's roller screw technology to convert rotary motion to robust linear motion, with no additional mechanisms required for conversion. Tritex II DC rotary motors and gearmotors provide high response and precise control of a rotatable shaft similar to that found in any electric motor.

Exlar Corporation
952-500-6200; www.exlar.com [1]

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