Tritex II AC Powered Electro-Mechanical Actuators

The Tritex II Series of electric actuators offers 1500 Watt, AC powered operation and digital position control within a single, space-saving housing. These actuators combine a brushless servomotor with either rotary or linear (output) actuation, assembling all elements into a compact, sealed housing for demanding environments. With their built-in mechanical converters, Tritex II actuators eliminate the need for traditional ball screw or gear reducer mechanisms—they incorporate all the required position control and power electronics into the actuator itself, providing a complete system solution. This design additionally eliminates the inconvenience and expense of an external servo amplifier and cables, which are often required with typical servo systems. The new actuators operate from 100-240 VAC, allowing direct connection to factory power sources. Enhanced software features include 16 programmable indexes, linked moves and firmware flash upgrade capability via the actuator's Modbus port. This port, via a RS/485 protocol, allows complete control, programming and monitoring of all aspects of the Tritex II actuator as it performs an application. The new Tritex II design offers excellent connectivity with internal terminals accessible through the actuator's removable cover. It also offers a provision for Imperial or metric threaded ports for cable sealing glands, optional M23/M16 connectors for power and I/O, with an M8 connector for the RS485 port. Tritex II rotary actuators are available in standard IEC metric dimensions. Direct drive units, as well as units with integral planetary gearing, provide compact, powerful solutions for most rotary applications. Custom mounting and options for both rotary and linear actuators are available to meet a wide range of installation requirements.

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