

CHANHASSEN, MN, November 29, 2013 **/24-7PressRelease/** -- Exlar Corporation, a Curtiss-Wright company located in Chanhassen, MN, announces the release of the CANopen communication protocol for its Tritex II product line. This enhancement allows the Tritex II to become an integral part of your control architecture or machine control processes.

CANopen is now available on Tritex II AC and Tritex II DC actuators. The Tritex II with the CANopen network is intended to perform as a Slave with a CANopen Master. It does not have the features of a standalone indexer like other Tritex models. Setup of the system is most easily achieved with the Expert software using the RS485 port. The latest revision of the Expert software supports all the Tritex products including CANopen and is available on the Exlar website for download.

Customer connections for CANopen are offered with either an M12 connector or wired directly to a terminal strip on the connection board with 75, 90 and 115 mm frame sizes.

CANopen Tritex II Hardware Features

8 Digital Inputs (AC) / 4 Digital Inputs (DC) 4 Digital Outputs (AC) / 3 Digital Outputs (DC) RS485 Communications (serial interface supporting Modbus RTU) Isolated CANopen Communication Port, available with an M12 connector or terminal connections on 75, 90 & 115 mm frame sizes.

CANopen Features

CANopen Communication Protocol DSP301 Network Management (NMT) Slave Baud Rates: 10K, 20K, 50K, 100K, 250K, 500K, 1M 4 Transmit Process Data Objects (TPDO) 4 Receive Process Data Objects (RPDO) Mapping of Tritex Variables to PDOs ASync, Sync, Cyclic and Event Driven PDO Modes 1 Service Data Object (SDO) Server Emergency Messaging Node Guarding Heartbeat Producer 1 Service Data Object (SDO) Server SDO access to all Tritex Parameters EDS file for easy interface with CAN masters

CANopen Motion Features

There are three DSP402 motion types implemented in the Tritex II:

Profile Torque Includes torque ramping, torque setting and torque maxControl and Status word bit maps

Profile Velocity Includes acceleration, deceleration and target velocityCommand and Status bit mapsAt velocity window

Profile Position Includes acceleration, deceleration, target velocity, end velocity and target positionAt velocity window and in position windowFollowing error limit and timeCurrent Limit Mode

Home and Jog functionalities are also included.

Exlar's Tritex II actuators combine a servo drive, digital position controller, brushless motor and linear or rotary actuator to provide a single, compact and sealed package. For more information on the benefits of this integrated product offering, visit http://www.exlar.com/product_lines/23-Tritex-II-AC-Linear-Actuator.

About Exlar

Exlar is a business group of Curtiss-Wright Controls. Exlar designs, manufactures and sells linear and rotary motion products worldwide. For general product information contact Exlar Corporation, 18400 West 77th Street, Chanhassen, MN 55317, phone 952-500-6200 or visit our website at www.exlar.com.

About Curtiss-Wright Controls, Inc.

Exlar's New CANopen Communication Protocol Enhances Motion Control Capabilities

Written by Australian Business

Headquartered in Charlotte, NC, Curtiss-Wright Controls is the Controls segment of Curtiss-Wright Corporation and a leading designer and manufacturer of advanced technologies for niche actuation and drive applications, integrated sensors and controls, and electronic subsystems internationally for the aerospace, defense and industrial markets. For more information, visit www.cwcontrols.com.

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