

SERVO DRIVE

Servo drive software

Advanced Motion Controls (USA) announced the release of Driveware 7 (DW7) software for company's Digiflex Performance servo drives also available with CANopen interface. The software is used to commission, troubleshoot, and integrate the drives into the network.

AVAILABLE FOR DOWNLOAD AT COMPANY'S WEBSITE, the software enables additional capabilities in the mentioned servo drives. It introduces the capability to create up to 16 unique index tasks by defining position, velocity, and acceleration/deceleration values where indexes may be either relative or absolute motion profiles. All drive limits, control loops (current, velocity, and position), and event handling may be configured. The features include a multichannel oscilloscope, function generator and a user-friendly layout and interface.

Using the software, servo drives may store two different configuration settings that include loop configuration, gain set, command source and command limiter settings simplifying machine design and maintenance for the engineer by allowing switching between them. On-the-fly mode switching has been added allowing machine programmers for example to switch from velocity mode for a long constant speed move directly to position mode so the motor may be precisely positioned at the end of the move to a specific location.

Furthermore, the software provides more configuration possibilities for network communication settings for CANopen, EIA-485/-232 and Ethercat. This allows the network communication settings to be adjusted independently of the settings used to connect to the DW7 software. It is also possible to add mappable PDOs (process data objects) to configure, edit, and map RPDOs (Receive PDOs) and TPDOs (Transmit PDOs) and to assign CANopen TPDOs to specific drive events. The company founded for 25 years designs and manufactures motion control drives for brushed or brushless servo motors. It shipped already over two million axes.

