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AC Drives

Motion Control

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DC Drives

Packaged Drives & Engineered Systems

Software and Connectivity

Options and Accessories

When the stakes are high, we are the ones
our customers turn to. Breathing life into
technology through our engineering
expertise. Creating the solutions
that become their successes.
Whatever the demand, whatever
the challenge, they know
when they call us they can
“Consider it solved.”



Consider it solved

“Consider it solved” is the promise Emerson makes to every customer. To fulfill this promise, Control Techniques focuses on delivering to each of its customers an Emerson solution—one bringing together engineering expertise and innovation. Using its ground-breaking technologies and application “know how” Control Techniques has become one of the world’s leading suppliers of motor controls. Control Techniques is part of the Emerson Industrial Automation group. Eight groups, over 60 companies, make up Emerson (NYSE: EMR), a \$22 billion corporation.

A history of firsts

Control Techniques has shaped the history of drives and controls. It was among the first to offer an AC flux vector drive, and introduced the first digital DC drive, the first fully-integrated servo drive, and the first universal AC and Servo drive — the Unidrive.

The evolution of the second generation Unidrive SP, “the benchmark for all AC and Servo drive technology,” and the new Commander SK, which can provide PLC functionality by adding the “LogicStick,” establishes Control Techniques as the leader in the field of drive-based intelligence.



Customer driven

Meeting customer needs has driven the growth of Control Techniques since its inception more than three decades ago. This is evident in our continual development of drive technology—much from customer input, and in our creating a worldwide support network for our customers. In addition to having built over 50 Drive and Application Centers around the globe, Control Techniques has established a distributor and integrator network that now exceeds 800 locations in North America alone. Service programs extend from providing pre-sales engineering expertise to fully supporting a variety of legacy systems.

Powered by service

Having over 50 Control Techniques Drive Centers around the globe means customers can easily obtain service and support wherever their drive systems are located. There are 13 Drive Application and Engineering Centers in the Americas, plus a dedicated Service Center in Grand Island, New York. From these locations, Control Techniques works with its distributors and system integrators to provide complete and fully-supported solutions, from general purpose and high-performance stand-alone drives, to soft starters and multi-section systems. By calling **1-800-893-2321**, customers are put in contact with the Service Center or the nearest Drive Application or Systems Center.



Driving Technology

New Products in every section!

Emerson Control Techniques strives to provide its customers with the most cost-effective and productive motor control solutions available. By listening to our customers, we are able to deliver solutions designed for real world applications. Here is an overview of the latest innovations from Control Techniques. These and other recently introduced products found in the catalog are denoted with the red "NEW" button.

NEW AC Drives

Control Techniques is growing, and our catalog features many new products.

The Commander SK AC drive solution has new sizes and voltages available. The Commander SK now includes models from 0.33 hp to 200 hp, adding a size D, and an extended 110V range. Pictured is the new ultra compact Commander SK size D - 5 hp @ 230V, 10 hp @ 460V.



The latest addition to the Unidrive SP series of high performance drives is the compact size Zero with a horsepower range of 0.5 hp to 2 hp. Also new to the Unidrive SP line is a size 5, 230V model, which can provide up to 60 hp.



NEW Solution Modules



Four new solution modules have been added to our offering of Solution Modules. SM-EtherCAT allows for this latest Ethernet communications protocol to be

used, High Speed Capture & Registration is now possible with SM-Register, and a SM-Encoder Output Plus, a new feedback module for incremental encoder I/O from external motion controllers. Also available is a new high density digital I/O module, the SM-I/O 32 which further enhances our drive based PLC capabilities.

NEW Servo Systems

The Motion Control section introduces the Digitax ST series servo drives. Meeting the demands of modern, lean manufacturing requires smaller more flexible machinery. The Digitax ST is specifically designed to help machine designers and system integrators meet these challenges.

The Digitax ST is a very compact servo drive that can be mounted flush against another Digitax ST, resulting in a smaller multiple axis footprint. Onboard features such as synchronized motion control and Safe Torque Off reduce the need for external components and further reduce panel size and overall system cost.



The new 16A Epsilon EP is the most powerful servo drive (200 lb-in cont.) available for its size.

NEW Soft Starters

Introducing the EMX3 series, a full-featured line of advanced digital Soft Starters. Built for reliability and ruggedness, these soft starters ensure a long life for motors and machinery. Our line of soft starters runs from the very compact models used in light industrial applications to custom-built starters and enclosures used in harsh and unusual environments.



NEW DC Drives

Fincor DC drives are known for their reliability. Recently updated, these rugged drives are available up to 5 hp and feature full isolation and convenient operator controls. In addition to panel mounted drives Fincor has complete industrial drive solutions for newspaper and commercial printing, and for large-moveable structures.

NEW High Horsepower Packaged Drives & Engineered Systems

The Unidrive SP Free Standing AC drives extend the power range of “the Benchmark” solution platform to 1000 hp, while providing users with the same integration options as the standard, panel-mount Unidrive SP. Packaged in an IP21 or IP23 enclosure, these Free Standing drives deliver maximum horsepower density for physical size, and include rectifier, inverter and inductor.

In addition, an “Incomer” enclosure is available with line power bus bars included to integrate fuse switch/MCCB etc.

Our LE Series of high-horsepower drives come enclosed in a NEMA12 Positive Pressure Blown and Filtered AC drive system with all the state-of-the-art integration features of the Unidrive SP. The robust Unidrive SPM technology from Control Techniques gives users the power, performance, and the ultimate in flexibility for all AC applications from 60 hp to 2900 hp.



This cost competitive, pre-engineered “AC In – AC Out” solution is a perfect match for both high performance, and standard drive applications, such as fans, pumps, and conveyors.