Integrated Stepper Motor/Drive Saves Time, Money, and Frustration

AMCI expands their extensive family of stepper motor control products to include the SMD23, an integrated stepper motor and drive package. The compact design is approximately half the cost of a conventional stepper motor and driver configuration, and performance is optimized through integrated drive to motor circuitry. Ideal for a variety of applications, the SMD23 simplifies installation through the elimination of stepper drive to motor cabling.

Terryville, CT November 4, 2004 – AMCI, a Connecticut based industrial controls company, has released the SMD23 integrated stepper motor and drive package. The compact design is based on a NEMA size 23 motor and was engineered to save customers time, money, and frustration. "Boasting several advantages over a conventional stepper driver and motor configuration, the SMD23 reveals its strength in four key areas - pricing, performance, installation, and application" explained Leo Brennan, sales manager.

The SMD23 is approximately half the cost of a conventional stepper motor and driver configuration. Unlike separate stepper motors and stepper drives that are built independent of each other, using parts and labor unique to each assembly process, the SMD23 utilizes powerful processors and superior engineering to reduce manufacturing time. Purchasing an SMD23 also saves customers time by eliminating the need to research, specify, purchase, and install two separate components.

Leveraging over ten years of stepper motor control experience, AMCI engineered the SMD23 for optimum stepper performance by dynamically matching the NEMA size 23 stepper motor to powerful integrated drive circuitry. Besides achieving maximum torque, speed, and range variables, the SMD23's self-regulating current flow eliminates the risk of driver to motor overload.

Besides enhancing performance, the SMD's integrated circuitry minimizes costly set-up times by omitting the stepper drive to motor cabling. Besides reducing the potential for problems due to electrical noise, the SMD's self-contained stepper motor and drive combination makes field servicing a snap, enabling focused troubleshooting and easy repair/retrofitting.

The SMD23 is a PC programmable unit, suited for a variety of applications. Designed with a number of industries in mind, spanning from packaging to semiconductor, automotive to food processing and pharmaceutical to scientific, the SMD23 can boost systems' efficiency and performance.

Learn more about AMCI's SMD23 Integrated Stepper Motor Drive more info »

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