Modbus-RTU Added to Integrated Motion Control

Terryville, CT – Advanced Micro Controls Inc. (AMCI), offers built-in Modbus-TCP (also called Modbus over Ethernet) communication in all of their integrated motion control products. Modbus-TCP is a popular Industrial Ethernet network designed to allow industrial equipment such as Programmable Logic Controllers, computers, operator panels, motors, sensors, and other types of physical input/output devices to communicate over an Ethernet network.

AMCI Integrated Motion Control products with Modbus-TCP include:

- 2-in-1 Drive/Controllers
- 3-in-1 Motor/Drive/Controllers

2-in-1 Drive/Controllers (AC Powered)

AMCI's SD31045E2 & SD17060E2 stepper drive/controllers boast a wide range of features and provide up to 4.5 Arms or 6.0 Arms (respectively) of output current, making them compatible with AMCI's complete line of stepper motors. The drives incorporate Modbus-TCP through an embedded Ethernet switch, allowing devices to be daisy chained together which reduces cabling and overall costs. The AC line-powered stepper motor controller/drives are self contained with their own power supplies and easily configured and commanded through the PLC's existing software; eliminating the need for a separate plug-in card controller.

2-in-1 Drive/Controllers (DC Powered)

AMCI's ANG1(E) AnyNET-I/O Integrated Stepper Controller + Drive integrates drive and motion control technology in one package, simplifying installation and cutting costs. The drive/controller communicates with the host PLC over the Modbus-TCP network. Move commands are easily programmed through the host PLC's software, and cabling is drastically reduced by expanding up to 6 axes of motion over a single network connection. The ANG1(E)'s revolutionary product design makes it a perfect solution for new installations or controls upgrades.

3-in-1 Motor/Drive/Controllers

AMCI's SMD Series Integrated Stepper Motor + Drive + Controllers provide a complete solution, offering a wide variety of options at a low price point for exceptional performance across a range of applications. Options include NEMA size 23 through NEMA size 34, with torque ranging from 130 oz-in (0.9 N-m) to 1100 oz-in (7.7 N-m). The drives incorporate Modbus-TCP through an embedded Ethernet switch, allowing devices to be daisy chained together which reduces cabling and overall costs. Features include an optional integrated encoder (incremental or multi-turn absolute), IP67 rated versions, gearboxes, and compatible cord sets. AMCI's SMD Series integrated solutions are ideal for new machinery and retrofits when looking to automate set up axes.

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In addition to Modbus-TCP, AMCI's integrated motion control products are also available with other network connectivity including EtherNet/IP, Modbus-RTU, and Profibus. For more information, please visit: https://www.amci.com/plc-automation-products/motion-control/integrated-solutions/

About Advanced Micro Controls Inc.
Founded in 1985, Advanced Micro Controls Inc (AMCI) is a leading U.S. based manufacturer with a global presence. Our industrial controls improve the performance and profitability of today's factory and automation systems. AMCI specializes in the design, manufacturing, and sales of eight different product families. Long standing relationships with the biggest names in industrial automation enable our team to deliver innovative, competitive products that are designed for years of reliable performance.

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