

Integrated Stepper Controller/Drive with Ethernet Interface

Terryville, CT – Advanced Micro Controls Inc. (AMCI), releases their new [DC-powered integrated stepper controller/drive package](#) with multi-protocol Ethernet communication. AMCI's new SD4840E2 combines drive and motion control technology into a single product to reduce stepper control system costs and simplify installation. The SD4840E2 integrated controller + drive communicates with the host PLC over the EtherNet/IP, Modbus-TCP, or Profinet network, and move commands are easily programmed through the host PLC's software. AMCI's SD4840E2's money saving design and standard DIN rail mounting makes it a perfect solution for new installations or controls upgrades.

Stepper Controller/Drive Features:

- Stepper Controller + Drive in single package
- E2 Ethernet Technology
- 0.1 – 4.0 Arms output current
- Full complement of motion profiles including homing and electronic gearing
- Works with most 2-phase stepper motors
- Easy programming without additional software
- DIN rail mounting



The SD4840E2 features AMCI's new E2 Technology which is an innovative multi-protocol approach to Ethernet distributed I/O that makes moving from one industrial Ethernet protocol to another simple. Supported protocols include EtherNet/IP™, Modbus-TCP, and PROFINET. An advanced web server integrated within the SD4840E2 facilitates network configuration via web-browser. The SD4840E2 has a built-in Ethernet switch and dual network ports, offering fault-tolerant networking; DLR for EtherNet/IP & MRP for Profinet, which can detect a break in the network and redirect the network traffic maintaining communication and system up-time. The embedded switch also provides a network connection for additional devices without increasing the nodes on your existing ethernet switch.

Besides connectivity with Ethernet/IP, Modbus-TCP, and Profinet, AMCI's SD4840E2 Networked Series boasts several features over conventional stepper drivers. AMCI's vari-step velocity control provides unsurpassed smoothness and performance independent of the user's configured resolution, and short circuit protection and overtemperature circuitry ensure the product's safety & reliability. The SD4840E2 mounts on a standard EN 05 022 – 35 X 7.5 DIN rail to simplify installation and lower costs.

For more information, please visit: <https://www.amci.com/plc-automation-products/sd4840e2-networked-series-integrated-stepper-motor-controller-and-drive/#!/244>

About Advanced Micro Controls Inc.



Founded in 1985, Advanced Micro Controls, Inc. (AMCI) is a leading U.S. based manufacturer with a global presence. AMCI industrial control products improve PLC-based automation systems with specialized position sensing and motion control technology that simplifies automation and adds reliability to manufacturing processes. AMCI designs and manufactures all of their products, enabling superior quality and innovation. The company provides 24/7 technical support staff, ready to answer questions about installation, configuration and operation of all AMCI products.

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