Modbus TCP/IP Encoders Now Available

Terryville, CT – Advanced Micro Controls Inc. (AMCI), announces the newest EtherNet-based communications protocol supported by the company's robust NR25 series encoders - Modbus TCP/IP. These heavy duty rotary sensors provide an overall measuring range of 16 bits (single-turn resolution) plus 14 bits (number of revolutions), or 30 bits total. With both single-turn and multi-turn versions available, AMCI's Modbus TCP/IP encoders are ready for any application. AMCI NR25 Modbus-TCP encoders are compatible with Schneider Modicon PLCs that support Modbus-TCP.

NR25 Modbus TCP/IP Encoder Features:

- Up to 30 bit (65536 steps x 16384 revolutions) Resolution
- Absolute Single-turn and Multi-turn
- Power over EtherNet (PoE)
- Resolver-based Durability
- IP67 Ingress Protection Rating
- Solid Shaft and Hub Shaft Versions
- Stainless Steel Units Available

Simplify Installation and Cut Costs

AMCI's NR25 Modbus-TCP encoders come standard with Power over Ethernet (PoE), which allows for installation using a single Ethernet cable that transmits data and power. Power over Ethernet cuts the connector and cabling requirements in half, making installation simpler and less expensive.

Configuring parameters with the Modbus mapping table makes setting up the NR25 encoder quick and easy. The ability to program with implicit and explicit messaging simplifies the NR25 series encoders' integration with PLCs supporting Modbus-TCP. Plus, a PC-based GUI (graphical user interface) is included with every NR25 to easily set the IP address, position resolution, counting direction, velocity format, and preset value through the EtherNet network.

LEDs on the NR25 Modbus TCP encoder help technicians troubleshoot from the factory floor by displaying diagnostic information including module status, network status, and link/activity status.

The Package

AMCI NR25 Modbus-TCP encoders are offered in a 2.5" diameter package with optional side or end connect versions. Power over Ethernet (PoE) comes standard in both versions; and end connect units include a second connector for power, for those who choose not to use the PoE feature. The NR25 encoder is resolver based, meaning that it is designed to provide absolute position feedback without glass discs or sensitive LED components; enabling it to withstand high levels of shock and vibration. The IP67 rated package is the solution for single-turn and multi-turn position applications requiring protection from dust and water ingress. Stainless steel versions are also available for food grade and marine environments.

20 GEAR DRIVE, PLYMOUTH INDUSTRIAL PARK, TERRYVILLE, CT 06786
T: (860) 585-1254 F: (860) 584-1973 www.amci.com

AMCI NR25 Series encoders are now available with both Modbus TCP and EtherNet/IP connectivity. Profibus connectivity will be added to the NR25 series later this year. For more information on AMCI NR25 series encoders, visit our website>> www.amci.com

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.

Media Contact: Bob Alesio
Telephone: (860) 585-1254 ext.128
Email: balesio@amci.com

Advanced Micro Controls Inc.
20 Gear Drive
Plymouth Industrial Park
Terryville , CT 06786 USA
Telephone: (860)-585-1254
Facsimile: (860) 584-1973
http://www.amci.com

###