

EtherNet/IP Absolute Multi-turn Encoder Installs Easy, Saves Time & Money

Terryville, CT – Advanced Micro Controls Inc. (AMCI), has released the [NR25 series of heavy-duty EtherNet/IP encoders](#). These networked 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 EtherNet/IP encoders are ready for any application. Designed in accordance with ODVA guidelines, the AMCI NR25 EtherNet/IP encoders are 100% compatible with Rockwell Automation, Allen-Bradley, and Schneider PLCs that support EtherNet/IP.

NR25 EtherNet/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
- ODVA Compliant



Simplify Installation and Cut Costs

AMCI's NR25 EtherNet/IP encoder comes standard with Power over Ethernet (PoE), making it possible to install this encoder using a single Ethernet cable that transmits data and power. The connector and cabling requirements are cut in half, plus installation is simpler and less expensive. Additionally, the ability to program with implicit and explicit messaging allows the NR25 series encoders to easily integrate with PLCs and PACs supporting EtherNet/IP. Position resolution, counting direction, velocity format, and presets are all configured easily through the EtherNet/IP port. And the ability to configure parameters simultaneously makes the NR25 encoder quick and easy to set up.

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

The Package

The ODVA compliant NR25 EtherNet/IP encoders are offered in a 2.5" diameter package with two M12 connectors on the back, supplying power and EtherNet/IP connectivity. Using Power over Ethernet, users can save time and money while also simplifying wiring, as only one connector is needed for power and EtherNet/IP connectivity. The NR25 encoder is resolver based, meaning that it was 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.



For more information on the AMCI NR25 Series EtherNet/IP encoders, visit our website>>

www.amci.com

About Advanced Micro Controls Inc.

Founded in 1985, Advanced Micro Controls Inc ([AMCI](http://www.amci.com)) 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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