

## Quadrature Encoder Capability added to new RMC200 Electro-Hydraulic Motion Controllers

August 25, 2017- Battle Ground, Washington. Delta Computer Systems, Inc. announces its new Quadrature encoder input module (Q4) for the RMC200 motion controller. The RMC200, which handles up to 32 axes, is the newest and most capable member of Delta's RMC family of closed-loop electro-hydraulic motion controllers (See Figure 2). Each Q4 module has four incremental quadrature encoder input channels (A, B and Z) supporting RS-422, HTL, or TTL. Each input channel also has home and registration inputs with 5V or 24V signal levels and LEDs indicating encoder faults and the state of the home and registration inputs.

Other RMC200 modules include Synchronous Serial Interface (SSI) input, high performance 18-bit analog, and configurable Discrete I/O. For flexibility in new and retrofit applications, the SSI module can be configured to handle one RS422 quadrature input, and the DI/O module can handle a 5V to 24V quadrature encoder, including one with open-collector outputs. To make it easy for our existing customers, the new Q4 module, like all modules in the entire RMC family, use Delta's RMCTools software for setup, tuning, programming and diagnostics.



Figure 1. Q4 Module



Figure 2. RMC200 Motion Controller

"Our customers continue to love the mix and match capabilities and ease-of-use of our motion controllers, and increasingly desire more flexibility with the many axes that the RMC200 can control," said Steve Nylund, Delta Computer Systems CEO.

With the capacity to tightly synchronize up to 32 motion axes, a single RMC200 can manage the motion of large testing or manufacturing applications, such as complete forest products sawmill production line. As with the other Delta controllers—RMC75 (which can control 1 or 2 axes) and RMC150 (which can control up to 8 axes)—the RMC200 has many special features including electronic gearing and position-pressure/force control capabilities.

**About Delta:** For more than 35 years, Delta has been a supplier of motion controllers and other industrial products that enable OEMs and integrators to build better machines and get to market quickly. Delta's RMC Motion Controllers are used for hydraulic, pneumatic and electric closed-loop control in a wide array of single and multi-axis control and testing applications. For more information contact Delta Computer Systems, Inc., at 360-254-8688, or email [technicalsales@deltamotion.com](mailto:technicalsales@deltamotion.com)