

## DELTA “Gears” Expansion Module for Encoder Reference Input

April 13, 2006 – Vancouver, WA – Delta Computer Systems, Inc. announces a new Exp70-Q1 quadrature encoder input module for the one- and two-axis RMC70 Series Motion Controllers. This single channel, ½ axis, position or velocity reference input enhances the RMC70 Series for “geared” applications.

The Exp70-Q1 includes A and B quadrature inputs plus one 12-24VDC high speed registration input. The RS422 differential quadrature inputs have selectable termination allowing up to 32 Exp70-Q1's to be daisy-chained for gearing up to 64 axes. All inputs have galvanic isolation.

The Exp70-Q1 quadrature reference module has a bi-color status LED with solid green indicating proper functioning and red flashing indicating a fault condition. An amber LED indicates that the registration input is active.

Fault detection, such as a broken A or B wire fault, is indicated by A and B wire break status bits in the RMC70Tools software.

Up to four field changeable expansion modules of various types, including discrete I/O and analog inputs, can be mounted on the side of the versatile RMC70 Motion Controller base module adding extra functionality in electric, hydraulic and pneumatic servo motion control applications.

“The addition of the Exp70-Q1 expansion module provides an easy-to-use, flexible and cost effective benefit for customers with low axis count or distributed linear and rotary applications.” stated Steve Nylund, Delta CEO. “For example, a common master quadrature encoder signal can be used to gear multiple RMC70 Motion Controllers.” Nylund added.

To download RMC70Tools software with Exp70-Q1 quadrature reference capability, go to [www.deltamotion.com/downloads](http://www.deltamotion.com/downloads).

### About Delta Computer Systems

For more than 20 years, Delta has been a supplier of motion controllers, color sensors, and other industrial products that enable OEMs and integrators to build better machines and get to market quickly. For more information, see [www.deltamotion.com](http://www.deltamotion.com) or contact Bill Savelle, Delta Computer Systems, Inc. 11719 NE 95th Street, Suite D, Vancouver, WA 98682. phone 360-254-8688, fax 360-254-5435, or email

**Editor: Your personnel may indicate RMC70 Q1 reference module for inquiry identification.**



***RMC75E-MA1 with Exp70-Q1 Expansion Module.***