

FEATURED PRODUCT

Emerald Technology Highlight

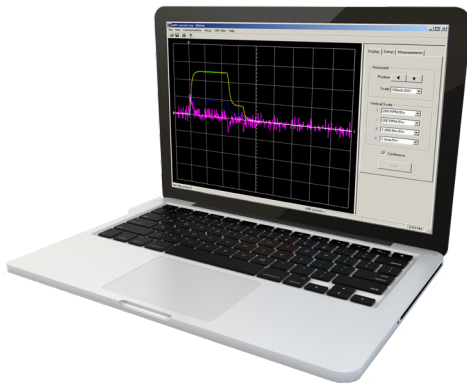


MSC Controller Replacement Program Using Emerald Technology

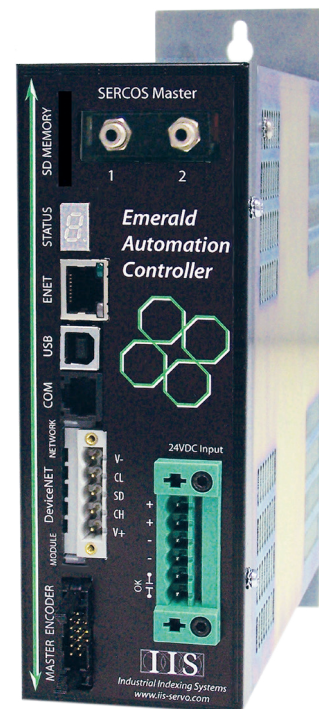
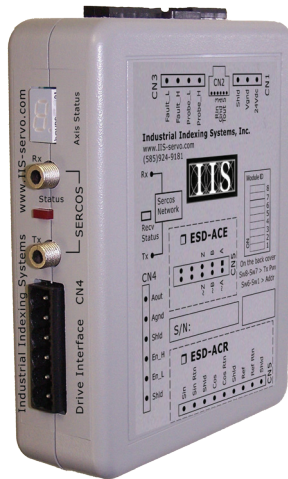
Overview

Emerald Multi-Axis Controller EMC-2100S together with our new sercos based emerald axis modules will maintain and exceed the functionality of the MSC family of controllers from IIS. The MSC which stands for Multi axis System Controller was introduced in 1983 and has gone through several technology versions until 1995. Service and support for the MSC products are still available today, but IIS does offer an option designed to minimize the cost of upgrading the MSC based systems.

Emerald Motion Language (EML)



ESD-ACR or ESD-ACE



EMC-2100S

Our replacement program allows you to minimize the expense of installing new technology by keeping the existing motors and analog drives on your machine and only replacing the MSC controller. This program assures that the hardware and software investment in your MSC system is maintained with products based on proven Emerald technology.

Call us today at (585) 924-9181 to discuss these products in greater detail

626 Fishers Run, Victor, NY. 14564 ~ info@iis-servo.com ~ www.iis-servo.com

Emerald technology uses a high-speed drive network over fiber cable called Sercos II instead of the legacy analog interface. Each "axis card" in a MSC system is replaced with an ESD Axis Module.

The Axis Module is a DIN rail mounted module for interfacing to the legacy analog drives and is also designed to utilize the existing analog drive interface cables. The ESD-ACE or the ESD-ACR Axis Modules will replace either an encoder or resolver axis card and two I/O points.

The following list outlines how ESD-ACR and ESD-ACE modules together with the EMC-2100S2 can be configured to replace any of our former controllers which include the, MSC-250, MSC-250A, MSC-800, MSC-850, or MSC-850/32.

For example:

- Two ESD-ACE axis modules will replace the internal axis functionality of the MSC-250 controller family.
- The ESD-ACE axis module will replace the ACE-800 or ACE-850 encoder based axis card functionality of the MSC-800 or MSC-850 controllers.
- The ESD-ACR axis module will replace the ACC-800 or ACR-850 resolver based axis card functionality of the MSC-800 or MSC-850 controllers.
- Sercos based I/O modules replace the IOE-850 I/O expander module.
- Sercos based I/O will also perform functions which replace the HPL-850 (PLS) and ACM-850 analog signal interface that are used in the MSC controller.
- The Master encoder interface port on the EMC-2100S2 replaces either the MCF-850 auxiliary master axis input card or duplicates the MSC-250 master input channel. As an alternative either the ESD-ACE or ESD-ACR can provide the master axis interface.
- Both the existing resolver based motor/drive systems and encoder based motor/drive systems can benefit from this replacement program without the expense of a motor and drive replacement. In the future, when the motors or drives need replacement, IIS offers Sercos based drives that will easily drop into the network.

IIS Legacy Multi-Axis System Controllers



MSC-250 Controller



MSC-850/32 Controller



MSC-800 Controller

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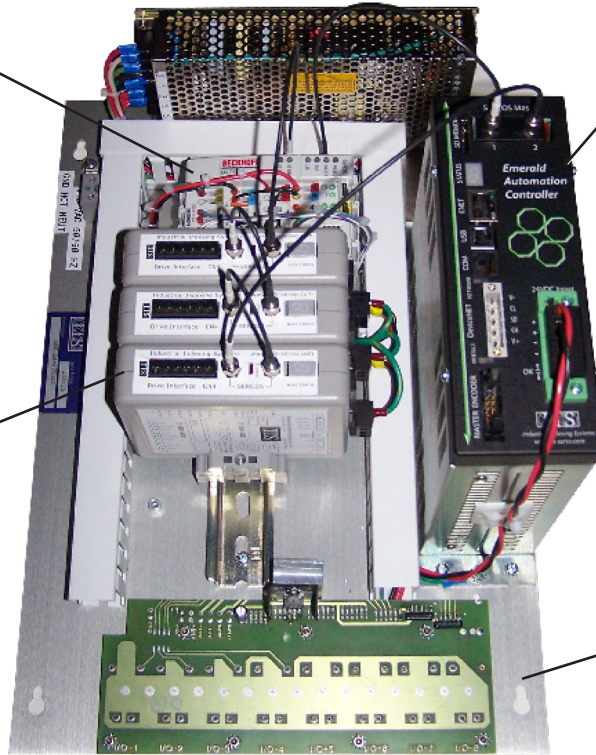


Sercos Network I/O

- AC or DC
- Input or Output
- Analog Input
- 256 I/O

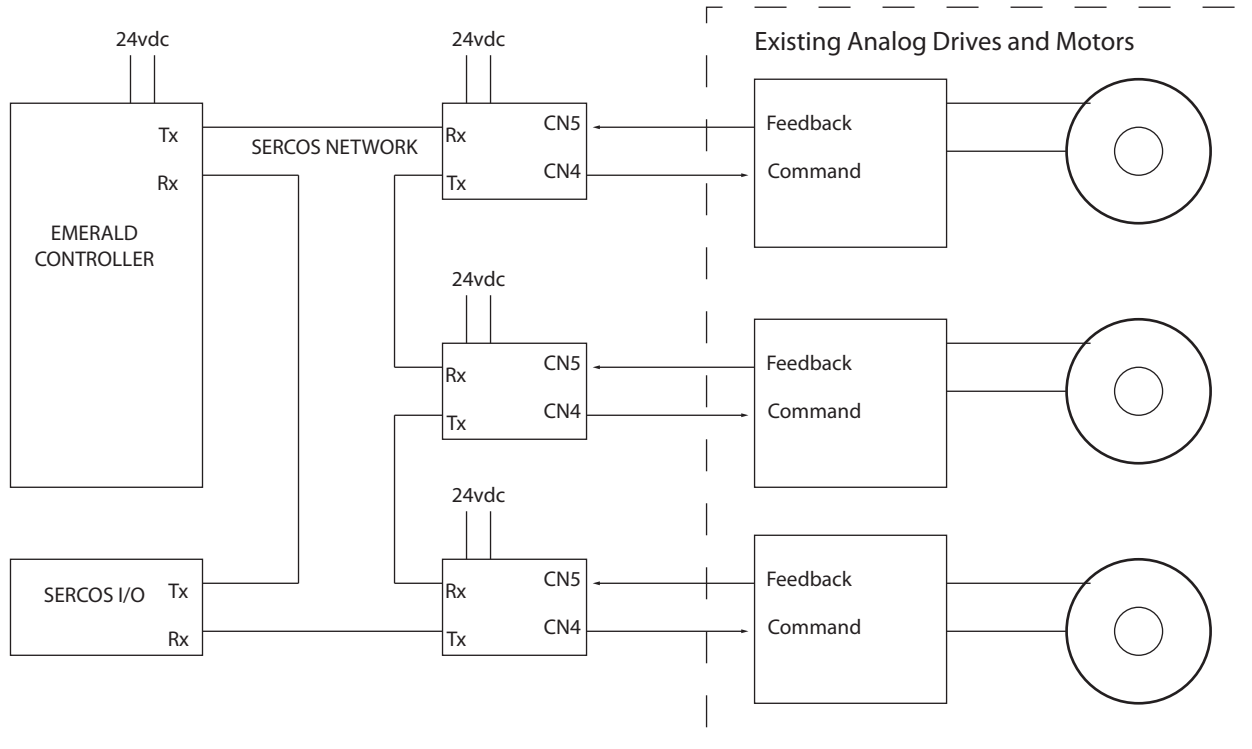
Emerald ESD-ACR/E

- SERCOS Loop Interface
- Resolver or Encoder feedback
- Analog Output
- Axis Status Display
- Same MSC style connector interface
- Space for eight modules, use the additional DIN rail for up to 16 modules
- Adjustable spacing
- Same on-board I/O connections



Programming
The software conversion from the old MSC programming code to new Emerald programming code is straightforward. IIS provides software conversion and/or development as a service. Please call us for more information about how your MSC system can be converted to the new Emerald technology.

Mounting
Occupies the *same space* as the MSC controller. Mounted on the same MSC base-plate for drop-in convenience.



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INDUSTRIAL INDEXING SYSTEMS, INC

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Team IIS



Headquarters in Victor NY



Our objective is to bring state-of-the-art servo system products to practical use on the factory floor. Whether it is a complete turnkey system or servo components, IIS' commitment to quality products and personalized support is unsurpassed. Our business philosophy is pretty simple. We take responsibility for everything we sell. By doing that we make a long-term commitment to our customer's success.

To accommodate the steady growth we've enjoyed over the years, our facility has been expanded several times to its present 17,000 square foot capacity. This location houses all critical departments - Sales, Marketing, Applications Engineering, R&D, Production, Warehouse, Panel Shop, Quality Control and Customer Support. Having everything under one roof speeds communications and provides better service to our customers.

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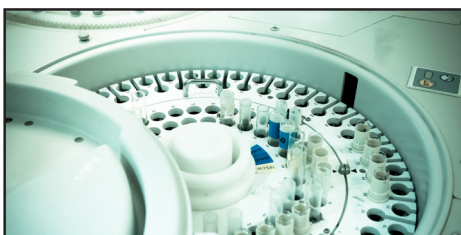
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If you would like to discuss the opportunity of becoming a Sales Representative for our organization, drive brand awareness, and develop business relationships with new and existing clients, please contact Mike Hupf, Sales Manager at (585)924-9181



Ready to elevate the efficiency, consistency, and repeatability in your operations? Call us today at (585)924-9181 to discuss your application needs

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