

THE Electrical Connection

August 2011

Ann Arbor • Flint • Madison Heights



McNAUGHTON-McKAY
ELECTRIC COMPANY

Serving Our S. E. Michigan Electrical Community for 100 Years and Counting!

Allen-Bradley Micro810™ Programmable Logic Controller

Bulletin 2080 Product Profile



Machine builders and end users who need a cost-effective control solution for their small applications will benefit from the new family of Allen-Bradley® Micro800 programmable controllers and Connected Components Workbench™ software from Rockwell Automation.

As the smallest of the Micro800 family, the Micro810 controller is available in a 12pt version, with 8A outputs that eliminate the need for external relays. The Micro810 features embedded smart relay function blocks that can be configured from a 1.5" LCD and keypad. The function blocks include Delay OFF/ON Timer, Time of Day, Time of Week and Time of Year for applications requiring a programmable timer and lighting control. Programming can also be done through a program download via USB programming port, using Connected Components Workbench Software. Connected Components Workbench software is shared among the entire Micro800 family of controllers, as well as other component products, such as PanelView Component HMIs and PowerFlex drives. Based on proven Rockwell Automation and Microsoft Visual Studio technology, the new software provides controller programming, device configuration and data sharing with the HMI editor for PanelView Component operator products. In addition, the software supports three standard IEC programming languages: ladder diagram, function block diagram and structured text.

Allen-Bradley Bulletin 140U-D Molded Case Circuit Breaker

Reduce Your Panel Space with a Smaller Footprint



The Bulletin 140U-D circuit breaker is a UL489 listed circuit breaker for global applications. The current limiting circuit breaker provides fixed short circuit and over current protection and offers high interrupting ratings for 2- and 3-pole devices. The footprint is up to a 50% reduction over traditional MCCBs.

Accessories are intelligently designed to be field-installed. The compact bus bars and feeder blocks reduce wiring errors and installation cost. Connection modules for the 100-C contactors simplify wiring and can reduce the number of DIN Rails required, compacting panel space even farther.

Upcoming Training & Events

August 16 & 17: PLC-5/SLC 500 and RSLogix Fundamentals – Troy, MI

August 22 - 26: RSLogix 5000 Level 1: ControlLogix Fundamentals and Troubleshooting – Troy, MI

August 30 - September 2: PLC-5 and RSLogix 5 Maintenance and Troubleshooting – Troy, MI

November 16 & 17: 2011 Rockwell Automation Fair – Chicago, IL

For more information please visit our website or contact Rainie Robinson
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Get the Most Out of Your Roof

Sunkits Put it All Together for You

Installing a solar PV system on your roof is like getting paid to reduce your carbon footprint. SolarWorld's Sun at Work® program, makes it simple to maximize your financial and environmental returns.

SolarWorld starts with their industry-leading SolarWorld Sunmodules and combines them with top of the line inverters and racking, specially selected for the highest system-level performance. Each Sunkits® system is custom-designed at the factory for your home and your family's energy use. SolarWorld's network of factory-trained state-licensed installers ensures that your system is installed safely and effectively. For more info contact us at gogreen@mc-mc.com.



Panduct® PanelMax™ Noise Shield

PanelMax™ Noise Shield, by Panduit, separates drive cables and sensitive communication/signal cables within industrial control panels to reduce electromagnetic interference (EMI) while saving valuable space. The shield provides up to a 20dB reduction in noise which is equivalent to 8 inches of air spacing. The innovative design installs easily within Panduit Wiring Duct or when mounted separately, delivering greater design flexibility to satisfy a wide range of applications.

PanelMax™ Noise Shield is part of a suite of Industrial Automation Solutions from Panduit that meet the most demanding requirements and applications with a broad range of product systems that aid in reducing design and assembly time, creating valuable panel space savings, providing easier installation and maintenance and improving reliability.



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