

THE Electrical Connection

May 2011

Ann Arbor • Flint • Madison Heights

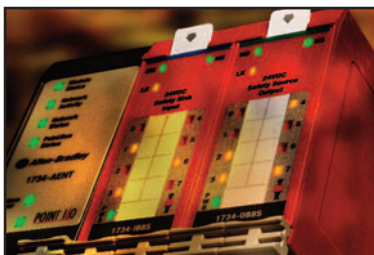


McNAUGHTON-McKAY
ELECTRIC COMPANY

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

POINT Guard I/O™

Safety and Automation Control in One Compact I/O Platform



POINT Guard I/O are safety rated I/O modules designed to fit into the standard POINT I/O system, thus offering automation and safety functionality in a maximum density I/O solution. They are ideal for use in applications requiring safety and automation control. They communicate with CIP Safety protocol over EtherNet/IP for GuardLogix safety controllers and DeviceNet for SmartGuard600 safety controllers.

POINT I/O and POINT Guard I/O can be controlled by a single GuardLogix controller for both safety and automation control through one node. If separate safety control is required, a GuardLogix controller can be used with POINT Guard I/O for safety control and a ControlLogix controller with POINT I/O for automation control. No changes are required to the POINT I/O system.

POINT Guard I/O is designed for use with industrial equipment and is especially suited for robotic, point-of-operation, guard-monitoring and distributed control applications.

Integrated Safety in a Mid-range Control Platform

Allen-Bradley's 1768 Compact GuardLogix



Automation users and manufacturers continue to look for flexible solutions that can help address global safety standards and regulations. These regulations combined with competitive pressures to reduce costs and improve productivity demand a better integration of standard and safety control.

Expanding the GuardLogix family of safety controllers, the Allen-Bradley® Compact GuardLogix™ controller, provides SIL (Safety Integrity Level) safety control partnering with the CompactLogix® processor for true integrated safety with unmatched ease of use.

Compact GuardLogix is ideal for systems that require standalone and system-connected control over EtherNet/IP™ or ControlNet.™ Think every place you need economical, reliable control, that's where you need GuardLogix.

Upcoming Training & Events

- May 3 & 4: GuardLogix Maintenance and Troubleshooting - Troy, MI
- May 5 & 6: GuardLogix Application Development - Troy, MI
- May 10 & 11: RSLogix 5000 Level 1: ControlLogix System Fundamentals - Troy, MI
- May 10 - 12: EtherNet/IP Design and Troubleshooting - Madison Heights, MI
- May 11: Cognex In-Sight Explorer Spreadsheet Basic Training - Madison Heights, MI
- May 17 - 20: RSLogix 5000 Level 3: Project Development - Troy, MI
- May 25: Safety Application Clinic: A Hands-On Safety Life-Cycle Seminar - Madison Heights, MI

For more information please visit our website or contact Rainie Robinson
robinsor@mc-mc.com
(248) 582-2485

SolaHD SURGE PROTECTION

First Line of Defense in Limiting High-Impulse Transients



High-energy transients either externally or internally generated pose an immediate threat to the reliability and performance of your sensitive electronic equipment. SolaHD recommends placing high-energy Surge Protective Devices (SPDs) on key panels throughout your facility. Within your facility, motors, inductive loads and various equipment load switching can cause damage or costly downtime.

SolaHD's surge-protective devices focus on limiting high-voltage spikes to a level that is acceptable to most electronic equipment. Plus, they're a great first line of defense, using components that are placed in parallel with the line and serve as clamping mechanisms for high-energy impulses. Protection at this level is referred to in the industry as Sine Wave Tracking or electronic grade. Surge Protective Devices are typically installed at service entrances and on larger distribution panels.

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.



Ann Arbor Branch
(734) 995-9515

Flint Branch
(810) 238-5611

Madison Heights Branch
(248) 399-7500

www.mc-mc.com



McNAUGHTON-McKAY
ELECTRIC COMPANY
YOUR ELECTRICAL CONNECTION