

THE Electrical Connection

February 2010

Ann Arbor • Flint • Madison Heights



McNAUGHTON-McKAY
ELECTRIC COMPANY

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

From the Desk of Rick Dahlstrom, Exec. VP of Sales & Marketing

This year marks the 100th Anniversary of McNaughton-McKay. During the year, via our website, you will be able to read about our heritage, as well as the people who shaped the company. At the core, we were built on a foundation of superior customer service delivered through quality suppliers and outstanding employees. Those ideals continue to drive our business 100 years later.

At no point in our history has the company been as severely tested as in 2009. Many difficult decisions were made, but always with the objective of keeping our customer service at acceptable levels. If your experience with McNaughton-McKay diminished in any way, we want to know. Either contact your local sales representative or e-mail me at dahlstr@mc-mc.com.

As we look to the future, we are optimistic that the worst is behind us and excited about emerging opportunities. This past year we have been making great strides to diversify our business. In the area of renewable energy we now have a suite of suppliers that allow us to deliver a complete solar energy solution. With our Rockwell Automation partnership, we can provide a complete integrated production environment for the process industries through the Plant PAX offering. Our traditional industrial and construction markets are in need of investment and many of you are busy planning for upgrades in the coming months. We have many new products and services to introduce and look forward to assisting you in your future expansions.

We know that success in 2010 can only happen because of you, our valued customer. We look forward to the opportunity to serve you in the future and thank you for your past support.

Hirschmann™ by Belden® Industrial Ethernet Media Solutions

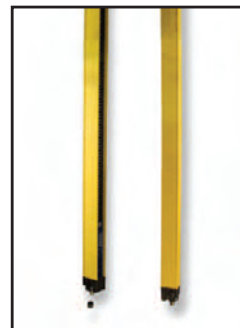


Hirschmann Industrial Ethernet Cordsets and Patchcords provide the interface between programmable logic controllers (PLCs), processors, industrial computers, and other intelligent devices.

Prior to the advent of Industrial Ethernet (standardized Ethernet communications via hardened networking infrastructure), office grade Ethernet cabling and connectors were the only available options. Unfortunately, these traditional media solutions proved incapable of withstanding the harsh environments found in factories, process plants and a variety of other applications. The Hirschmann offering of Industrial Ethernet Media Solutions eliminates these issues by combining a high-end, chemical and temperature resistant cable with RJ45 connection technology and the proven industrial Micro (M12) connection technology typically found in sensor/actuator machine applications.

GuardShield™ Safe 4 Safety Light Curtain

Type 4 Economical Safety Light Curtain



The Allen-Bradley GuardMaster® GuardShield™ Safe 4 safety light curtains are equipped with an Integrated Laser Alignment System, allowing for simplified set up and installation. Like its standard GuardShield counterpart, the GuardShield Safe 4 safety light curtains are a self-contained, optically synchronized, two box safety pair. The Integrated Laser Alignment system is comprised of two active laser elements located at the top and bottom of the GuardShield Safe 4; one is at the top of the transmitter and the other at the bottom of the receiver. These visible laser beams are constantly powered but do not transmit light until a finger has touched the transmitting element. The GuardShield Safe 4 safety light curtains are delivered with basic ON / OFF functionality making it an economical, cost effective machine guarding solution when simple ON / OFF functionality is all that is required for the application.

Upcoming Training

There are many Rockwell Automation Classes coming up in the month of March including **RSLOGIX 5000** Level 1 - 3, **ControlNet** and **RSNetWorx, SLC 500** and **RSLOGIX 500**. For more information please contact **Rainie Robinson** in Madison Heights at **248-399-7500** or at robinsor@mc-mc.com.

THINK SAFETY FIRST IN 2010

February 10
Machine Safety

February 11
Lock Out Tag Out, Personal Protective Equipment and Arc Flash



Sylvania LED Technology Reduces Energy and Maintenance Costs

LED technology reduces energy and maintenance costs when compared with conventional light sources. LED PAR30LN retrofit lamps are intended to replace 50W halogen PAR30LN lamps at over twenty times the life. They are free of UV and IR radiation minimizing discoloration and fading of materials. These lamps are

available in 3000K and 3500K CCT and work well in all types of applications such as accent lighting, hotels, restaurants, and offices to name a few. Lasting 8 times longer and with only 16 watts, LED PAR38 lamps are true replacements for 60W halogen PAR38 lamps. These lamps offer high color quality with enhanced deep red and skin tone rendering. They are free of UV and IR radiation, minimizing discoloration and fading of materials. These lamps are available in 3000K CCT and have the flexibility to work in multiple applications: retail spaces, residential lighting, offices, etc.

Intelligent Industrial ETHERNET Solutions by Hirschmann

In the future, standardized, low-cost transmission technologies such as Industrial ETHERNET and IP will increasingly be used in the close-to-machine process levels which were previously clearly dominated by field bus systems such as Profibus, CAN or Interbus.

The prerequisite for this is Industrial ETHERNET components which are able to cope with harsh factory floor conditions, and operate there fault-free. In addition to an IP 67 switch, a robust and compact M12 connector is required to guarantee reliable real time transmission with high availability. At the same time, high installation and wiring costs can be reduced by using switches directly in the field. But this demands the appropriate intelligent, manageable Industrial ETHERNET switches which are also able to provide redundancy mechanisms such as HIPER-Ring or access control according to IEEE 802.1X. With the new OCTOPUS family, the first manageable switches at the field level, Hirschmann offers the optimum solution. The OCTOPUS family has the necessary internal resources for extended management by SNMP, as well as prioritization and traffic shaping. This means that Industrial ETHERNET with extended scope of functions can now also be used in previously inaccessible places – without large-scale cabling.



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