

THE Electrical Connection

February 2010

Charlotte, NC • Gastonia, NC
Greenville, SC • Spartanburg, SC



McNAUGHTON-McKAY
ELECTRIC COMPANY

Serving The Carolina Electrical Community...
Celebrating 100 Years of Customer Service!

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.

PowerFlex 750-Series AC Drives

Cost-effective solution designed for ease of use, integration & application flexibility



The Allen-Bradley PowerFlex 750-Series of AC Drives is aimed at maximizing your investment and improving productivity. Whether your need is for a general purpose or multi-drive system applications, the PowerFlex 750-Series offers more selection for control, communications, safety and supporting hardware options than any other drives in their class.

Their cost effective solutions come standard with features including DeviceLogix control, predictive diagnostics, embedded Ethernet port, embedded I/O, and Safety options. This helps to reduce unnecessary add-ons with the slot based architecture that allows PowerFlex 750-Series drives to be built to suit application requirements. With the use of the DeviceLogix control there is improved drive control and efficiency, and the predictive diagnostics track information relating to the life of the drive and motor to help prevent unplanned downtime.

Get more support for your HMI enclosures with a suspension system built to meet your requirements



Hoffman's new SYSPEND™ 281-MAX provides heavy-duty HMI suspension up to a maximum load capacity of 281 lbs. With flexible configuration built around a modular design, the 281-MAX provides an aesthetically pleasing solution for use in a wide range of process control applications where an enclosure needs to be ergonomically repositioned for various users or positioned out of the way for cleaning, storage or safety considerations. The 281-MAX facilitates user-friendly installation and re-adjustment so the system does not need to be disassembled or calibrated off-site. Simply select from a series of tubes—with multiple lengths available—as well as elbows, adapters and more to build the perfect suspension system for your application.

Upcoming Training

- February 23 – ControlLogix & CompactLogix Intro - Greenville, SC
- February 24 – Ethernet-TCP/IP for PLC Technicians - Greenville, SC
- March 17 & 18 – Rockwell Automation on the Move – Charlotte, NC
- Complimentary Courses Offered for Productivity Enhancement through Gaston College
- March 9 – Introduction to PLCs - Gastonia, NC - (704) 922-6447
- March 10 – SLC & MicroLogix Introduction - Gastonia, NC - (704) 922-6447

For more information please visit our website or contact
Becky Walters
(864) 574-0350 or
(800) 537-4855



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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