

THE Electrical Connection

April 2011

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



McNAUGHTON-McKAY
ELECTRIC COMPANY

**Serving The Carolina Electrical
Community for 100 Years and Counting!**

Safety is Good Business

In light of recently developed global safety standards and technologies, manufacturing safety is emerging as a powerful

tool that combines workplace safety with long sought after production capacity improvements. These innovative safety strategies and technologies not only reduce injuries; they provide significant improvements in manufacturing productivity and efficiency through improved machine uptime. Around the globe, manufacturing leaders are beginning to realize – “Safety is Good Business!”

Rockwell Automation Machine Safety Consultants can assist end users, integrators and OEM's at any step of a safeguarding project from training, standards assistance, to risk and hazard assessments, circuit evaluations, system architecture development, system and hard guarding design, through validation and startup.



Fluke Networks

Troubleshooting industrial networks

Process manufacturing facilities are turning to digital networking controls at a record pace. Industrial Ethernet use alone is projected to grow over 50 % each year for the next five years. Networked systems increase immediate production efficiency, through smart sensors and controls, and add extensive value to overall plant management. Ethernet and other networks are now designed specifically for industrial applications, with tougher shielding for better temperature, corrosion, shock, and vibration performance.

But there are still problems. Industrial networks still suffer from degradation and interference and once the IT professional installs the system, the plant engineer is often left to maintain it... without the tools or knowledge required. Since the trend isn't stopping, the solution is better communications between IT and maintenance, and better training and tools for plant engineers. IT isn't always as sensitive to the urgency of plant downtime, and plant engineers aren't always part of, or party to, the network installation or operation guidelines. The end result is that plant engineers are being asked to do more than ever.



Upcoming Training

April 12: Kinetix 6000 Maintenance & Troubleshooting - Charlotte, NC

April 19: DeviceNet & RSNetWorx Configuration & Troubleshooting - Greenville, SC

April 26: FactoryTalk View ME & PanelView Plus Programming - Charlotte, NC

May 3: SLC 500 & RSLogix 500 Programming - Charlotte, NC

May 10: SLC 500 & RSLogix 500 Advanced Programming - Charlotte, NC

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

Protecting Equipment and Facilities Just Got Easier with Ferraz Shawmut's Surge-Traps

Other surge protective devices require additional fuses, fuse holders, and wiring in order to meet UL safety standards, costing your customer more money, valuable space in the cabinet and more installation time. In today's tough economic environment, protecting your equipment and facility can be challenging. Ferraz Shawmut's Surge-Trap Type 1 SPD is fail-safe and an economical solution making it easier with its economical overvoltage protection solution. The Surge-Trap Type 1 SPD does not require additional fuses, fuse holders, or wiring in meeting the UL 1449 Third Edition safety standard thus providing substantial cost savings and reduced installation time. You can enjoy the fail-safe protection you need in one compact, self-sufficient, and affordable design.



How many people does it take to change a light bulb?

(300 million by complying with the new Federal Legislation)

A new twist has been added to the simple task of changing general service and reflector bulbs and it's coming soon. And for all of us - and the environment, it will be a turn for the better. The Energy Independence and Security Act of 2007 (EISA) is phasing out the iconic incandescent light bulbs and is requiring manufacturers to replace them with new, energy efficient bulbs that comply with EISA's mandated performance levels for incandescent and incandescent halogen bulbs.

OSRAM SYLVANIA is helping to make this transition an easy one by offering you a variety of bulbs to choose from. And they have created a chart that shows what bulbs you need to replace and when, as well as the many replacement options that are available to you today. Don't wait. Start saving today.



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