

# THE Electrical Connection

September 2010

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



**McNAUGHTON-McKAY**  
ELECTRIC COMPANY

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

## Process Solutions Summit

Hosted by Carotek  
In conjunction with  
Process Automation  
partners Rockwell  
Automation &  
Endress+Hauser



You are invited to attend the Carotek Process Solutions Summit in Matthews, NC, supported by Rockwell Automation and Endress+Hauser on September 15 & 16. This unique event will provide an environment where you can exchange innovative ideas, learn best practices, and seek solutions with your Process Automation peers. Learn from subject matter experts hosting informative technical sessions and labs addressing your toughest challenges while introducing you to innovative solutions for process control and instrumentation.

You will be exposed to the world class capabilities of Rockwell Automation and Endress+Hauser in the process environment. Come see the Carotek Process Training Unit with a full line of E+H instruments and Rockwell Automation's PlantPAx Process Automation System. In addition there will be hands on labs, technical forums, live demos, and product & solutions displays that will enlighten you on Rockwell Automation and Endress+Hauser current process capabilities. There will be keynote speakers that will deliver the Process strategy, partnership, and collective roadmaps of our process offerings.

## Level I Thermography Course:

2648803 - On Site: Infrared  
Level I Course (4 days)



This course will be held on October 18 - 21, in our Greenville, SC office and is designed for infrared thermographers with no prior training or those who have had only operator training. Snell Infrared uses a variety of techniques, including hands-on demonstrations, to teach about infrared theory, all major applications, and camera operation. The course fully meets ASNT's educational requirements for Level I certification.

Don't have a camera? Don't worry, we even have a special discount bundle (camera & toughbook) available. Contact your account manager for more information!

The course runs from 8:00 AM - 5:00 PM and is \$1,695/person. Infrared thermal imaging is an exciting technology with diverse applications used in numerous industries. To register for this class, please contact Becky Walters at [earnharb@mc-mc.com](mailto:earnharb@mc-mc.com) or visit [www.mc-mc.com](http://www.mc-mc.com)

## Upcoming Training & Events

- September 13: RSLogix 5000 Level 1: ControlLogix Fund & Trouble Shooting, Greenville, SC
- September 14: SAF-LOG101 GuardLogix Application Development, Charlotte, NC
- September 16: SAF-LOG102 GuardLogix Maint & Troubleshooting, Charlotte, NC
- October 5: RSLogix 5000 Level 1: ControlLogix System Fundamentals, Charlotte, NC
- October 12: RSLogix 5000 Level 3: ControlLogix Maint & Troubleshooting, Charlotte, NC
- November 3 - 4: Travel Packages Now Available for Rockwell Automation Fair, Orlando, FL

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

## The RSB20 Series of Managed Switches Optimize Price/Performance Ratios

The new Hirschmann™ RSB20 series of managed switches consists of 16 models that are distinguished by the number and type of ports offered, factory settings for EtherNet/IP and specific operating temperature ranges. This provides an economically attractive entry into the segment of managed switches, where customers only pay for their exact equipment (feature and function) needs. The RSB20 portfolio permits customized, hardened and reliable communications solutions without compromising quality.



The RSB20 series provides customized communications solutions with design features that adapt to any application without compromising quality or system performance. Special versions have been optimized for specific applications in addition to a "universal version" with three small form-factor pluggable (SFP) transceiver ports.

## Columbia's VersaBay® Fluorescent High Bay

The increased use of fluorescent high bays in what was traditionally HID spaces has provided an excellent means to improve lighting in the space while providing significant energy savings. The use of fluorescent lighting with electronic ballasts in unconditioned spaces has created issues regarding the reliability of the electronic components.

In unconditioned or partially conditioned spaces, the temperature at the ceiling level can reach over 130°F, thus placing the reliability of the electronic components at risk. Heat contributors such as ambient heat, ballast heat, and lamp heat can all combine to elevate the ballast above the manufacturers' maximum ballast can temperature of 90°C. This increase in ballast operating temperature will shorten ballast life and increase maintenance.

Columbia Lighting's VersaBay® high bay was developed to address the issues of elevated temperature by creating a systems approach to properly dissipate and control the heat-producing elements; thus providing a system of long maintenance-free operation. The VersaBay® high bay, protected by ATM—Advanced Thermal Management—employs a systems approach to resolving this potential issue.



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