

# THE Electrical Connection

January 2012

Ann Arbor • Flint • Madison Heights



**McNAUGHTON-McKAY**  
ELECTRIC COMPANY

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

## GuardLogix L7s Introduction

For customers who are looking to expand their ControlLogix systems with Integrated Safety. Rockwell Automation is extending their GuardLogix product platform with the new 1756-L72s and 1756-L73s processors. These processors along with a new 1756-L7SP safety partner will allow customers to be able to control more equipment and reduce scan time over previous L6s controllers. These processors are also designed for SIL 3, PLe safety applications.

The 1756-L72s is designed to handle 4 megabytes of standard memory, and the 1756-L73s is designed to handle 8 megabytes of standard memory. Each controller also has additional memory for the safety program. The number of connections in each controller has been expanded from 250 to 500. This will allow you to control significantly more devices than the previous L6s controllers. The new L7s controllers from Rockwell Automation will be available with version 20 of RSLogix 5000 should be available in early January.



## SensaGuard Integrated Latch

For machine builders and manufacturers using lightweight guard doors, the newest-generation PLe, SIL3, Cat 4, Safety Switch - the 440N-Z SensaGuard Non-Contact Switch with a magnetic Integrated Latch - is the first in the world to combine a non-contact interlock switch and door latch into one integrated solution. It replaces separately mounting an interlock switch and door catch, which simplifies installation and increases reliability.

The magnetic integrated latch is adjustable for use with a variety of lightweight guard doors requiring different holding force (from 15N to 45N), including framed or frameless, vertically or horizontally hinged, single or double, gull wing or tailgate and sliding guard doors. For example, gull wing doors slant downward, and gravity helps keep them from opening on their own from machine or shock vibration. As a result, gull wing doors need low holding force to remain closed during machine operation. Tailgate or drop-down doors, however, need a higher holding force because gravity works against the latch. Users can adjust the latch according to unique holding force requirements to keep doors closed during machine operation.



## Upcoming Training & Events

- Jan 30 - Feb 3:** RSLogix 5000 Level 1: ControlLogix Fundamentals & Troubleshooting - Troy, MI
- February 7 & 8:** GuardLogix Maintenance and Troubleshooting - Troy, MI
- February 9 & 10:** GuardLogix Application Development - Troy, MI
- February 14 - 17:** SLC 500 and RSLogix 500 Maintenance & Troubleshooting - Troy, MI
- February 21 & 22:** RSLogix 5000 Level 2: Basic Ladder Logic Interpretation - Troy, MI
- February 21 - 23:** DeviceNet and RSNetWorx Configuration & Troubleshooting - Troy, MI

For more information please visit our website or contact Vicki Isom  
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## Save Up to 35% of Your Energy Costs

*Bert Eliminates Wasted Energy!*

Computers, copiers, printers, faxes, vending machines, microwaves, shredders, water coolers, signage, coffee makers, TVs, electronic devices, and lighting all leak energy in stand-by or off mode. Powering down these machines automatically during late night hours can save as much as \$200 per machine per year without replacing existing equipment. BERT itself draws virtually no wattage (1 microwatt).

BERT keeps it simple and easy. It is a wireless smart plug with a programmable on/off schedule, providing extraordinary ability to cut energy costs. The EPA estimates that 30% of energy usage in commercial buildings is used inefficiently or unnecessarily. BERT fixes all that. BERT provides 24 hour wireless control over one or multiple pieces of your organization's equipment, quickly and easily turning the equipment on or off via a programmed schedule or on command from a computer. BERT software tracks system activity and lets you know what you are saving.



## SOLA/HD SDU DIN Rail Uninterruptible Power Supplies

*Protect Your Power*

The SDU Off-Line DIN Rail UPS series combines an industry leading compact design with a wide operation temperature range and unique installation options. This cost effective protection solution provides ride through during brief power outages. This allows critical and sensitive equipment to safely shut down during extended power failure preventing costly data losses, work interruptions and equipment damage. These units include easy to wire screw terminations for critical devices needing battery backup such as computer-based control systems.

The SDU series protects the increasing number of microprocessor-based technologies common in the industrial environment from impulses and fluctuations on the factory floor. Back up AC power during power disturbances reduces production losses and helps maintain high efficiency levels.



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