

THE Electrical Connection

January 2011

Carrollton • Cartersville
Covington • Norcross



McNAUGHTON-McKAY
ELECTRIC COMPANY

Serving The Georgia Electrical
Community for 100 Years and Counting!

1768 Compact GuardLogix Integrated Safety Controller

Integrated Safety in a Mid-range Control Platform



The Allen-Bradley Compact GuardLogix controller brings together the standard control functionality of the Logix Control Platform – common programming environment, common networks and a common control engine – with the full range of integrated safety functionality of GuardLogix controllers in a smaller package. This provides you with unmatched scalability and flexibility across a wide range of applications. Ideal for mid-range applications, Compact GuardLogix controls up to eight axes of motion and supports the use of CompactBlock Guard I/O and POINT Guard I/O on Ethernet/IP, which creates a new option for machine builders looking to cost-effectively standardize on a single integrated safety control platform.

The Compact GuardLogix features a 1002 safety architecture and is rated up to and including Safety Integrity Level 3 (SIL 3), Performance Level e (PL e) functionality. SIL (Safety Integrity Level) is a measure of a products ability to lower the risk that a dangerous failure could occur. As defined in IEC 61508 “Functional Safety of Electrical/Electronic/Programmable Safety - Related Systems”. SIL defines a products ability to operate in safety-rated aspects of a control system. SIL 2 and SIL 3 are the most common levels for machinery and process safety applications, GuardLogix can be used in applications that require the use of SIL 2 or SIL 3 compliant products.

GuardShield™ Safety Light Curtains with Integrated Laser Alignment

Enhanced flexibility with visible laser for easing alignment and DeviceNet™ safety connectivity option



The Allen-Bradley Guardmaster GuardShield™ safety light curtain is an economical, fully featured, Type 4 safety light curtain in a uniquely styled housing. GuardShield safety light curtains are general purpose presence sensing devices designed for use on hazardous machinery providing point of operation, as well as perimeter and access guarding. The latest additions to the GuardShield line are the integrated Class 1, eye-safe laser alignment system in standard, cascadeable and PAC models. These new models also have an option of connectivity to ArmorBlock™ Guard IO modules allowing the Guard Shield's OSSDs (output signal switching device) to operate over a DeviceNet™ safety network. This enhanced functionality adds flexibility for a wide range of machine guarding applications.

Enjoy One Stop Shopping for Comprehensive Repair Services

While you already know that we provide the highest quality repairs and warranty tracking for your Allen Bradley products, did you also know that we can provide that same quality service on your automation equipment supplied by other manufacturers? Our RepairPlus program provides a single source for repair on thousands of types and brands of electrical, electronic, mechanical, and servo products.

Click here to learn more about the details of the RepairPlus program, or contact Greg Tiller at tillerg@mc-mc.com to discuss how RepairPlus can work for you....



Remote Access Solutions For Your PLCs

Spectrum Controls' WebPort®, powered by eWON, is an industrial web server that allows you to interact with your automation environment in new ways. Simple to install and use, WebPort provides a cost effective, yet powerful and flexible pathway to your programmable logic controllers via an IP network or over the Internet.

What does WebPort offer more than other remote access modems? WebPort has an Ethernet gateway functionality that is robust with flexible connectivity because of the dual Ethernet/serial ports. The remote maintenance and alarms keep you in constant touch with your PLC. There is real-time monitoring on-site because of the data logging, reporting and trending. The WebPort gives you the ability to supervise your automated processes through web browser based visualization. Additionally, the optional Ethernet switching with the VPN router allows you to connect up to four Ethernet devices to one WebPort.



LiteBox® LED by Prescolite

Prescolite's LiteBox LED modules are designed for use in new construction as well as retrofit applications with existing Prescolite or competitive 6" housings using the screw base adapter included.



The LiteBox LED, performs like a 65W BR30 or 18W compact fluorescent, using only 15 watts of power. It features excellent glare control and optical cutoff, color quality and a warm white color temperature. With white splay and 2700K or 3500K CCT options, target markets include residential and light commercial applications. The LB6LED3 model has a minimum 50,000-hour life at 70% lumen maintenance.

A key enhancement to the LED downlighting trims is the diffusion of diode sources. The high transmission acrylic lens diffuses the LEDs to effectively create a single visible source, while the regressed reflector and minimal optical aperture result in significantly reduced glare compared to traditional incandescent sources. The lens also enables the LiteBox LED to be standard wet location listed.

Carrollton Branch
102 Cable Industrial Way

Cartersville Branch
329 Industrial Park Rd., NE Suite B

Covington Branch
9120 Old City Pond Rd., NE

Norcross Branch
6685 Best Friend Rd.

Contact us at ♦ Phone: (770) 825-8600 ♦ Website: www.mc-mc.com

