

ACD CONNECT

ACD'S LUNCH WITH THE VAN A "SUCCESS"

As many of you have seen in our last edition of ACD Connect, we're running a summer program called "Barbecue with the ACD Van." This traveling expo is a proven winner. The idea is simple; we bring directly to our customers the ACD product van which is loaded with Automation, Control, Drive and safety products. Our application engineers demo the equipment and answer your questions while our barbeque chef is grilling a tasty lunch for you and your staff.

This program has been very successful in informing our customers about the latest developments and product offerings in automation and control technology. It has also proven to be a great forum for discussing product application and technical questions in depth with our application engineering staff. Finally, many of our customers have been surprised at the breadth of product options that ACD has available for helping to offer the best solution for their technical problems.

The summer will soon be over, so reserve your "Barbecue with the Van" today at 1-800-866-7740. •



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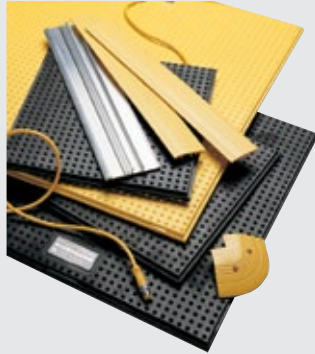
ADVANCED CONTROLS & DISTRIBUTION

WWW.ACDIST.COM

STI Safety Mats

Rugged Omron Scientific Technologies, Inc. Universal Safety Mats guard machine operators against some of the potential hazards and dangers of the modern manufacturing environment.

An Omron STI Universal Safety Mat system (UM series safety mat combined with an MC3, MC4, or MC6) offers a simple method for guarding personnel around hazardous machines. A safety mat system offers freedom, flexibility, and reduced operator fatigue when compared with traditional guarding methods such as interlocked fences, pullback restraints or perimeter barriers. Full visibility of and access to the work area is maintained.



The operation of the safety mat is easy to understand. The safety mat is a simple, normally open switch. When a specified minimum weight is applied to the safety mat the "switch" closes. This sends a signal to the safety mat controller, which in turn, sends a stop signal to the guarded machine. Each safety mat presents four wires to the safety mat controller. This provides the redundancy required to monitor the wires for open circuits due to incorrect wiring or physical damage to the safety mat wires.

Additionally, safety mats can also simplify routine tasks such as machine set-up, maintenance and repair. Typical applications for safety mats include:

- Welding Robots
- Assembly Machinery
- Material Handling
- Packaging Machinery
- Punches
- Presses
- Robotic Work Cells

Weidmuller has expanded its line of circuit protection devices

Weidmuller's DIN-rail mounted circuit breakers are available for use in applications where circuit protection must be able to distinguish between circuit overloads and short circuits. Each circuit breaker has the ability to be reset without the need to change components. All circuit breakers are available with an assortment of jumpers and marking tags.

Weidmuller has expanded its line of circuit protection devices to include a new line of electronic circuit protection. The ESX10-T Series circuit protectors have remote reset capabilities that operate using an electronic signal. These circuit protection devices are compact and combine electronic trip characteristics and active current limitation to allow selective disconnection of loads that are connected to 24VDC power supplies. Selective load protection prevents complete shutdown of the system by quickly disconnecting the faulty path when an overload or short circuit occurs.

Class 1 Div 2 Approved!



STI Has a Wide Selection of Safety Light Curtains Guarantees You'll Get Exactly What you Need

Powerful Solutions for Today's Tough Automation Guarding Problems

Omron Scientific Technologies, Inc. provides safety light curtains to solve your optical guarding needs. From compact models designed for machine locations where space is tight, to larger, robust light curtains powerful enough to guard large perimeters. Omron STI offers you a choice, because when it comes to automation safeguarding, one size does not fit all.



Optimized Performance

Omron STI safety light curtains are fit for use - meaning, you can select a safety light curtain in the size and with the specifications you need to optimize performance. Our safety light curtain designs allow you to tailor a system for the lowest possible system cost, so you are only paying for what you need.

Unbiased Recommendation

Supplying such an extensive array of safety light curtains and controls guarantees that Omron STI will give you an unbiased recommendation for what will work best in your particular situation. Our wide product line means you do not have to struggle to "make one fit." We do not have to force your application to fit our safety light curtain. From tight spaces to perimeter guarding, we provide the correct product for the job.

Federal Signal LEDs with XLT (eXtreme Light Technology)

Federal Signal's new LED visual signals with XLT, eXtreme Light Technology is designed for harsh industrial environments, and is the industry's first explosion-proof CID1 LED signal light. Its high intensity LED array produces maximum light output, superior lens fill, is vibration and shock resistant, reduced power consumption and has an extended life. AC and DC models are available in four colors and multiple mounting styles.



Ferraz Shawmut Power Distribution Blocks

Finger-Safe Design
FSPDB Series (Copper or Aluminum Connector)

Ferraz Shawmut FSPDBs introduce a new level of safety and ease for installing power distribution blocks. An IP20 level of finger safe protection is achieved using the FSPDBs and thus eliminates the need for special covers or custom plexiglass sheets to protect your panels. FSPDBs (sizes 1 to 4) simply snap onto 35mm DIN rail to provide the quickest installation. In addition, since they are modular, you can form any number of poles desired. If multi-pole panel mounting is desired, multiple-pole assembly pins are available. FSPDBs provide a safe, convenient way of splicing cables, splitting primary power into a variety of secondary circuits or providing a fixed junction tap-off point.



LUNCH & LEARN

Register for training with ACD at 1-800-866-7740

Modular Safety System

September 16, 2009

9:00am – 12:00 preceded by lunch

This seminar focuses on the ability to show Siemens as a single source safety supplier for all the customers safety needs and to show how the solution can save space, reduce downtime and increase plant efficiencies. This seminar also shows which safety solutions from Siemens safety Integrated portfolio, can be more beneficial based on application requirements of the customer.

Siemens Standard Drives - Pumps, Fans, Compressors

October 14, 2009

9:00am – 12:00 preceded by lunch

This event will provide the opportunity to learn about Pumps, Fans and Compressors in applications such as cooling towers, pump jacks, oil pumping, and pure/waste water. We will show how variable speed drives can be applied and what features and benefits Siemens Standard Drives can offer you.

SIMATIC S7-200

November 11, 2009

9:00am – 12:00 preceded by lunch

The S7-200 Micro PLC is truly in a class of its own: it is both compact and highly powerful – especially in relation to its real-time performance. It is fast, features great communication options and comes with easy-to-operate software. Attend the S7-200 Lunch and Learn for a hands-on experience.

LUNCH & LEARNS AT OUR ELKVIEW, WV OFFICE

SIMATIC S7-200

November 13, 2009

9:00am – 12:00 preceded by lunch

The S7-200 Micro PLC is truly in a class of its own: it is both compact and highly powerful – especially in relation to its real-time performance. It is fast, features great communication options and comes with easy-to-operate software. Attend the S7-200 Lunch and Learn for a hands-on experience. •

Ferraz Shawmut

Surge-Trap® Surge Protective Device

Surge-Trap® Surge Protective Device is a no-fuse surge suppressor. The Surge-Trap is a UL 1449 Third Edition compliant surge protective device with a modular thermally protected transient voltage surge suppressor. It is DIN-rail mountable featuring a fail-safe self-protected design, visual indicator and a small foot print. A remote indicator option provides status to critical control circuit. The Surge-Trap provides an interrupting rating and a Thermally Protected MOV without additional protection devices.



Features

- Easy installation or retrofit
- Din-rail mountable
- Fail-safe /self-protected design
- Remote indicator (optional) with 3 pin NO/NC contact
- IP20 fingersafe design
- Visual indicator
- Small foot print

Applications

- AC/DC distribution
- Power supplies
- Industrial automation
- Telecommunications
- Motor controls and starter systems
- Programmable logic controller (PLC) applications
- Power transfer equipment
- HVAC applications
- AC drives
- UPS systems
- Security systems
- IT / Data centers
- Medical equipment

Mike Green



Mike Green has been with ACD for over a year and has quickly made his mark in the organization. Mike has numerous years of experience in outside sales and

has attended a number of manufacturer's training classes. He is quickly developing a level of comfort in electrical sales. Mike covers the southern counties of Pennsylvania, the northern counties of West Virginia as well as Beaver and parts of Allegheny counties in Pennsylvania.

If you need any help, please give Mike a call at 412-215-0580. •

ACDCONNECT Available Soon Online.

The ACD CONNECT newsletter will soon be available online. To receive your newsletter electronically, send an e-mail to Steve Battaglia (sbattaglia@acd.com) with the subject line: ACD CONNECT VIA EMAIL.



SPECIALIZED TRAINING EVENTS

SITRAIN™ TRAINING EVENTS AT ACD*

Register for trainings at www.sea.siemens.com/training or call ACD at 1-800-866-7740.

SIMATIC® S7 S7 TIA Programming 1

November 30, 2009

This course is the first in a three part series, which builds basic programming skills with Siemens STEP7 software. Students will learn S7 project management, program design and application development. This is an aggressively paced curriculum covering the S7 programming editor with Ladder, Function Block Diagram, and Statement List programming languages, and key software tools. This course takes a systems approach to the S7300/400 PLC's, plus basic connectivity and functionality of an HMI and PROFIBUS remote I/O.

Throughout this course, students will build a STEP7 project from the beginning, learning proper program structure and documenting. Software diagnostic tools will be used for debugging both hardware and code. Various instruction sets, memory areas, program blocks, and libraries will be introduced to provide the student with solid concepts of structured programming.

The course format consists of instruction and hands-on exercises. The course uses a conveyor model for realistic demonstrations and exercises.

Upon completion of this course, the student shall be able to:

- Complete a system hardware configuration.
- Build, document, test and troubleshoot a structured STEP7 program.
- Program using the multiple address types.
- Use symbolic addressing.
- Use core application instructions, functions and blocks.
- Program using the processed analog values.
- Generate data blocks.
- Establish connections to an HMI system.
- Integrate an HMI to Control the Automation system

*each class is a 4 1/2 day course

ADVANCED CONTROLS & DISTRIBUTION



1100 RICO ROAD, EAST BUILDING
MONROEVILLE, PA 15146
WWW.ACDIST.COM

TRAINING SCHEDULE
LUNCH & LEARN

LUNCH & LEARNS AT OUR
MONROEVILLE, PENNSYLVANIA OFFICE

Modular Safety System

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9:00 am

Siemens Standard Drives - Pumps,
Fans, Compressors

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SIMATIC S7-200

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LUNCH & LEARNS AT OUR
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MORE DETAILS INSIDE THIS ISSUE
REGISTER AT ACD: 1-800-866-7740