

ACD CONNECT

PA: PITTSBURGH, ERIE, STATE COLLEGE | WV: MORGANTOWN, CHARLESTON | OH: CLEVELAND, AKRON, CANTON, YOUNGSTOWN

ACD EXPANDING INTO OHIO

Even in tough times, ACD finds ways to grow and reach new customers. With our ever growing sales force and our expertise in engineering, ACD has risen to the challenge.

So, when Siemens was looking for a distributor to increase sales in Northeastern Ohio they only had to look across the state line in Western Pennsylvania at ACD. While Pittsburgh and Cleveland have their differences in particular with our sports rivalries, our industrial markets are very similar employing hard working people in fields such as Metals, Machine Manufacturing and Polymer Industries.

With our extensive knowledge of automation, drives and controls, we are looking forward to the challenges ahead. ACD is now actively searching for inside sales, outside sales and engineering personnel to staff our Ohio location. This new territory will include Cleveland, Akron, Canton and Youngstown. We will locate our new office in Streetsboro which will allow easy access throughout Northeastern Ohio. This new 6,000 square foot facility will have a state of the art training facility, product inventory, and will have in-house application engineering to provide support and training to our customers.

We are very excited about the opportunity presented to us. We will continue to keep you updated as new and exciting details become available.

Remember, that no matter where you go, ACD is "Your Electrical Supply Source." •



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ACD

ADVANCED CONTROLS & DISTRIBUTION

WWW.ACDIST.COM

SIEMENS

Siemens MP 377 15- Inch Daylight Readable HMI

The new Simatic® MP-377 15- inch Daylight Readable Human Machine Interface (HMI) from Siemens Industry, Inc. is a high-contrast, full-color touch panel designed for installations outside the typical factory.

The new Daylight Readable HMI meets the needs of automation users requiring a rugged, outdoor HMI where screen visibility is necessary in direct sunlight.



“Daylight readable HMI’s are popular in several outdoor applications including oil, gas, irrigation, marine, electric power and many more,” said Alan Cone, Siemens Industry product marketing manager. “Previously, users were limited to only non-graphical text panels or monochrome electroluminescent

panels without any support for color touch screen graphics, making it difficult to develop intuitive HMI operator screens.”

Engineered with transfective technology, the MP 377 15-inch Daylight Readable HMI includes a UV protected exterior and 3mm-thick glass that resists sunlight discoloration and ensures a rugged IP66 environmental rating for outdoor installation. The HMI comes with a TFT color display and built-in Profinet/Ethernet and Profibus/MPI communication ports, eliminating the need for a separate controller to run control logic. The panel includes two USB ports for peripheral connection to flash drives, keyboard, mouse or printer, and 12MB of onboard application memory that can be expanded with an integrated SD memory slot or CF card slot.

The MP 377 Daylight Readable HMI is capable of running Simatic WinAC PC-based control software and standard WinCC flexible HMI panel software. Designed on the Windows CE operating system, the MP 377 can run many standard PC applications, including HTML and JAVA support within its preinstalled Microsoft CE Internet Explorer enabling remote monitoring and control for quick troubleshooting or program changes.

A built-in web server provides Internet/intranet connectivity options using WinCC Flexible Smart Service, Smart Access technology for remote access to diagnostics, historical data logging and even full remote screen operation. Other features include 1024x768 screen resolution for large screen area viewing, capacitive touch screen for finger or thin glove activation and energy saving LED backlight with an adjustable dimming range for darker non-glare outdoor environments.

The MP377 15-inch Daylight Readable HMI meets IP66 environmental enclosure ratings and is certified with industry standard agency approvals, including cUL US HAZ. LOC. Class 1, Div. 2; ATEX Zone 2/22; FM Class 1, Div. 2; CE and C-Tick.

For more information on the MP377 15-inch Daylight Readable HMI, call your ACD sales team at 1-800-866-7740.



Carlo Gavazzi offers Contactors, Overloads and Definite Purpose Contactors

Carlo Gavazzi offers a complete range of Contactors and Overloads for switching currents up to 900 Amps (600 HP @ 480 VAC). All contactors are available with a wide selection of coil voltages and come standard with built-in auxiliary outputs. Interlock and wiring kits are available to turn two standard contactors into reversing contactors.

In addition, they offer Definite Purpose Contactors up to 50 Amps in 1 pole, 1 pole + shunt, 2 pole, and 3 pole configurations. The 3 pole types can also be configured as reversing starters and they have a complete enclosed starter with a choice of plastic or metal housing. Starters are available with or without a start and stop pushbutton.

PEPPERL+FUCHS

ML100... A Bright Idea

ML100 makes its mark as Pepperl + Fuchs’ newest photoelectric innovation. This complete family of miniature photoelectric sensors raises the bar on performance with a light spot that is optimized for easier alignment and more consistent detection. It also has the highest optical power and longest sensing ranges in its class, up to 30 meters (98 feet), which is 50% greater than most competitive models.



Its unique thin-film LED technology, called PowerBeam™, means not only can it sense objects much farther than competitive housings in its footprint, but also with increased optical signal strength for improved resistance to dust or contaminants on the lens.

ML100 photoelectric sensors provide a more powerful, user friendly and rugged solution while being cost-effective.

Typical Applications Include:

- Presence detection of passing totes or cartons on conveyors
- Start and stop control of conveyors
- Monitoring object height (background suppression mounted overhead)
- Long-range detection of engine blocks
- Detection of solar cells, even with anti-reflective properties

ML100 Features Include:

- User friendly operation saves setup time. ML100’s Power-Beam has an intense light spot to make alignment easier, and its uniform nature detects objects time after time, unlike competitive sensors with center blind spots.
- Industry-standard footprint with exceptional durability. Common mounting pattern makes integration easy, but fully metal bushings don’t strip like competitive plastic versions.
- Sense regardless of color or reflectivity without a reflector. Superior background suppression performance detects objects with varying properties without the need for a reflector or thru-beam.
- Immediate indication of sensor status. Sensor’s operating status is indicated by multi-color LEDs, visible from 360° and at long distances.
- Insensitive to range of different ambient lighting. High level of resistance to many ambient light sources and even crosstalk protected to ignore a neighboring ML100 sensor.
- Reduces energy costs. Current consumption is up to 43% less than competitive models, resulting in lower energy costs and fewer power supplies required for installations.
- Suitable for cold storage or heat treatment equipment. Extended temperature range of -30° C to +60° C (-22° F to +140° F) offers lowest temperature range in its class.

TRAINING SCHEDULE

WORKSHOPS

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

WORKSHOPS AT OUR MONROEVILLE, PA OFFICE

SIMATIC S7-1200 - Compact Controller with Advanced Functionality

March 23, 2011 | 9:00 am –Lunch to follow

The S7-1200 is a new modular space-saving controller for small automation systems that require either simple or advanced functionality for logic, HMI and networking. It is both compact and highly powerful –especially in relation to its real-time performance. It is fast, features great communication options, and is programmed with easy-to-operate, easy-to-learn software. Attend the S7-1200 Lunch and Learn for a hands-on trial!

Ethernet Infrastructure Hands On

April 4, 2011 | 9:00 am –Lunch to follow

This event will show how to implement an effective industrial Ethernet solution on the plant floor. Topics to be covered include the configuration and network management of Managed Switches, setup and configuration of wireless architectures, setting up a simple firewall, and protection from an unauthorized network.

SINAMICS S120 Two-Axis Hands-On Intro

May 25, 2011 | 9:00 am –Lunch to follow

SINAMICS drives offer the complete spectrum from general purpose to high-end servo control. In this class we focus on the SINAMICS S120 series of high performance servo and vector drives, utilizing the software tools of the family to configure a system.

WORKSHOPS AT OUR ELKVIEW, WV OFFICE

NEW SIMATIC S7-1200 - Compact Controller with Advanced Functionality

March 24, 2011 | 9:00 am –Lunch to follow

The S7-1200 is a new modular space-saving controller for small automation systems that require either simple or advanced functionality for logic, HMI and networking. It is both compact and highly powerful –especially in relation to its realtime performance. It is fast, features great communication options, and is programmed with easy-to-operate, easy-to-learn software. Attend the S7-1200 Lunch and Learn for a hands-on trial!

WHO'S WHO

ACD expands it's Sales Force

As we began to see signs of an economic recovery, ACD was looking towards future growth. ACD has always taken customer service very seriously, so with an increase in customer activity we needed more people in our sales department. After an extensive search, two excellent candidates surfaced to the top. Our



Sam Gioia

first new salesperson is Sam Gioia, an Electrical Engineer who has been working in the Automation field with Siemens Environmental for the past few years.

Our second new salesperson is Mark McCracken, who has been working in the maintenance department of Dufenco-Farrell for the past ten years and has tremendous knowledge of what is required to



Mark McCracken

keep plants running.

We are excited to have both Sam and Mark join our team at ACD. Sam and Mark both possess knowledge, skills and experience that sets ACD apart from other distributors, which our customers are already benefiting from first hand.

Please welcome Sam and Mark to our team, they can be reached at 412-374-8060. •

ACDCONNECT Online.

The ACD CONNECT newsletter is now available online. To receive your newsletter electronically, send an e-mail to Steve Battaglia (sbattaglia@acdlist.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

Weeks of: February 21, 2011 and April 4, 2011

This course is for SIMATIC S7-300/400 PLC users with basic engineering experience in the design and sustaining of SIMATIC automation systems and their application programs.

For a complete course prerequisites, discription and objectives visit acdlist.com/events

SIMATIC® S7 S7 TIA Programming 2

Week of: May 9, 2011

This course is for SIMATIC S7-300/400 PLC users with basic engineering experience in the design and sustaining of SIMATIC automation systems and their application programs.

For a complete course prerequisites, discription and objectives visit acdlist.com/events

SIMATIC® S7 S7 System Tools & Troubleshooting 1

Week of: March 7, 2011

This course is designed for industry "first responders" to operations controlled with Siemens STEP 7 automated control systems. Students not requiring programming skills, such as maintenance technicians, electricians, supervisors and others, who need an understanding of their Siemens control system to maximize line uptime, should attend this course. This course also makes a great platform for those new to automation systems and industrial electronics. PLEASE NOTE: If PLC programming as a job skill is required, one may consider the S7 Programming I, instead.

Modular in design, this course is fully customizable for those interested in on-site training. Topics can be added or removed to meet specific needs. Call 1.800.241.4453 for more details

For a complete course prerequisites, discription, objectives and topics visit acdlist.com/events

*each class is a 4 1/2 day course

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SITRAIN™ TRAINING EVENTS AT ACD*

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ADVANCED CONTROLS & DISTRIBUTION



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

TRAINING SCHEDULE WORKSHOPS

MORE DETAILS INSIDE THIS ISSUE
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ELKVIEW, WEST VIRGINIA OFFICE

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