



VOLUME 4— ISSUE 2 DECEMBER 2016

Did you know?...

The enhanced series GDE & GLB actuators are now rated for 100,000 full strokes and 5 million repositions.

This gives you the longest life cycle in the industry for these sizes of damper actuators.



Desigo Total Room Automation

Interactive room automation for energy efficient buildings

Inside this issue:

- Desigo Total Room Automation (TRA)..... 1
- 50 Pt Addressable Fire Alarm Control Panel..... 3
- Intelligent Detectors for Complete Safety..... 4
- Engineering Advantage Lunch and learn..... 5
- Training at CMI.....6
- Employee Spotlight..... 6
- In Memory of Lee Ford....7
- NewsWorthy 8

Invest in your building's future and quickly benefit from significantly lower operating costs – using the intelligent Desigo™ Total Room Automation (TRA). As an essential part of building automation, Desigo TRA lowers the energy consumption of every room in your building. The innovative Green Leaf symbol encourages room users to actively save energy, reducing operating costs and increasing your property's attractiveness. At the same time, Desigo TRA lowers your building's CO2 emissions and promotes your company's green image. In addition, Desigo TRA adjusts the heating, ventilation, air conditioning, lighting and shading for optimal room temperature, air quality and lighting conditions in any situation – the best way to ensure user satisfaction.

Intelligent comfort for any room

Desigo TRA ensures a comfortable room climate, good air quality and optimal lighting conditions with as little energy as possible. In addition, all room disciplines can be operated easily and intuitively from a single room operator unit. This creates a pleasant workplace environment and increases the motivation and productivity of room users.

Continued on next page.....



Using individually pre-programmed “scenes” stored in the room operator unit, you can change the room conditions simply by touch. The scenes select the room temperature, ventilation, shading and lighting appropriate for each situation.



Desigo Total Room Automation... (continued)



High energy efficiency for your building

The Desigo TRA room automation system links all disciplines within a room and ensures the perfect interplay between heating, ventilation, air conditioning, lighting and shading. The system responds to the actual demand in the room, delivering only the amount of energy actually needed. Energy saving functions get room users actively involved in the process.

Straightforward operation for a comfortable room climate

All disciplines within a room can be operated conveniently from a single room operator unit. Desigo TRA room operator units are so user-friendly that operating errors – and associated energy losses – are virtually eliminated. In addition, the unique Green Leaf symbol alerts users when unnecessary energy consumption occurs. A simple touch of the Green Leaf symbol is all it takes to reset the room automation system to energy efficient operation.



NEW! Green Leaf symbol for optimized room climate

Green Leaf symbol



Room operation is energy-optimized



Unnecessary energy use—potential for energy savings

Green Leaf interaction with room user

Cross discipline and intelligently linked efficiency function automatically detects unnecessary energy consumption in the room. Simply press the symbol to return to optimum operation.



When it comes to total room automation, think of CMI. Contact us today at (803) 765-9070 for a demo or more information.

50-Point Addressable Fire Alarm Control Panel

A Cost-effective, Feature-rich Solution for Small Applications

Model FC2005 is an intelligent FACP that provides a cost-effective, feature-rich solution for small fire alarm system applications. Small and compact in design, Model FC2005 is ideal for small fire-protection applications using less than 50 addressable devices. You can connect up to 50 detectors or other devices from our Designo™ Fire Safety family or other existing Siemens fire protection systems. You will also be able to connect future Siemens devices. This makes FC2005 a safe and long-term investment.

The basic FC2005 is specifically suitable for applications such as:

- Retail shops
- Doctor's offices
- Dry cleaners
- Small restaurants
- Strip malls
- Banks
- Small commercial buildings
- Parking garages

With its built-in *DACT (Digital Alarm Communicator Transmitter) and two (2) *NACs (Notification Appliance Circuit), Model FC2005 is powerful enough to economically meet the needs of these applications. Each 50-point FACP is FM (#3010); CSFM (#7165-0067:0259) and FDNY (#6104) Approved.

Common features:

- Max. number of FDnet addresses: 50
- Number of integrated FDnet circuits: either one class A or two class B
- Number of NAC circuits: either one class A or two class B

Specifications: The Model FC2005 FACP consists of a main board ; a 170-Watt power supply, and a system enclosure. The programming software is held in flash electrically erasable programmable read-only memory (EEPROM).

Main Board: The main board provides system display and control, as well as connections for system field wiring, via removable terminal blocks. The 3.5-inch (8.9 centimeters) by 1.5" (3.8 centimeters) liquid-crystal display (LCD) screen shows all system messages and event status. Each screen supports 182 characters: seven (7) lines with 26 characters per line. Each event may have a custom message up to 40 characters that describes the event's location. The backlit LCD screen illuminates on any system event or manual key press. New, 'unacknowledged' events are indicated by a flashing exclamation point. Once 'acknowledged,' the exclamation point changes to a check mark. A system-status line shows the quantity of events presently active. A built-in RS-485 communication bus is on the main board. The main boards readily support system status light-emitting diodes (LEDs) for Power, Alarm, Trouble, Supervisory and Ground-Fault commands.

* DACT—dials a phone number; NAC—this is the circuit that horns, strobes and combinations are on



Intelligent Detectors for Complete Safety

Meeting every need from “standard” to “special”

Desigo Fire Safety is a homogeneous family of fire detectors and control panels whose models are all compatible. From standard to special situations, it's easy to realize the benefits of this comprehensive system:



- ASAtchnology™ detectors from the S-LINE range are excellent for sophisticated applications with deceptive phenomena. They offer more than 20 detection profiles for different environments including data centers, power generation, utility rooms, warehouses, manufacturing, parking garages, and ducts. This means you can cover all applications with one detector. S-LINE detectors feature a No False Alarm guarantee from Siemens.
- The C-LINE detector portfolio is a cost-effective option for standard applications. Backed by many years of field experience and proven under numerous operating conditions, the Desigo C-LINE fire detectors provide comprehensive safety. This makes C-LINE detectors a great choice in standard environmental conditions where only occasional deceptive phenomena occur, in typical commercial applications.
- The different control panels increase flexibility in system planning and keep your system scalable for the future. Detectors from both lines can be used together in a single network. In short, Desigo fire-safety allows you to manage diverse detection requirements with one detector family and one system.

Highlights

- One detector portfolio to cover most application areas, from clean to dirty
- Reliable detection that eliminates false alarms due to unique forward and backward light scattering technology
- Compliant with NFPA 76 (Telecommunication Standard) and classified as a VEWFD
- RoHS compliant, with detection capability equivalent to ionization detectors due to forward and backward light scattering technology
- Increased reliability and fail-safe operation thanks to redundant sensors
- Unique detection reliability and No False Alarm Guarantee provided by ASAtchnology™
- Fast, reliable detection of smoke, heat, and carbon monoxide
- Earliest detection of CO-generating fumes, also independently from fire, with the CO detector
- Enhanced life safety provided by selectable fire detection profiles
- Adjustable detection profiles guarantee quick, cost-efficient adaptation to environmental conditions

Whitepaper: [Principles of ASA fire detection technology](#)

When it comes to Fire Safety, think of CMI. Contact us today at (803) 765-9070 for a demo or more information.



EngineeringAdvantage™ Lunch and Learn

EngineeringAdvantage™ Program helps engineers earn PDH units

Mission: to increase productivity of Consulting and Specifying Engineers by providing support and education.

CMI has been offering lunch and learn training classes in cooperation with Siemens to help engineers earn PDH units toward their license renewal. Our programs are based on real world experience. We try to balance theory and practical knowledge to help you stay on top of the latest trends and technology to help you drive greater savings and client satisfaction. Educational sessions cover a range of subjects throughout the year, all of which are AIA accredited programs which may qualify for Continuing Education Credits (CECs).

EngineeringAdvantage™ Educational Modules

Building Automation

- Demand Controlled Ventilation Controls Basics
- Chilled Beams and Radiant Systems Controls
- IT for Building Automation Systems
- BAS Basics Presentation
- Smart Consumption Presentation
- Open Protocols for BAS Control
- Control Strategies Affected by Changes to ASHRAE 90.1-2010 to 2013
- Valve and Actuator Basics Presentation
- Building Automation's Critical Role within LEED

Fire Safety

- Life Safety Interfaces
- CCTV System Design Considerations
- ECS Integration with Building Systems
- Fire and Security Alarm Communication Methods
- Fire Detection Technologies
- NFPA 72-2010 Overview
- Intelligibility in ECS
- Mass Notification Overview
- Smoke Control Overview
- Networking Fire Systems
- Emergency Responder Radio Coverage Systems

Visit our website for an abstract on each of the modules listed.

Would you like a Lunch and Learn at your office? [Click here](#) to use our online form, or call us at 803-765-9070.

Training at CMI

In-house Training

A confident, competent staff is essential to get full utilization of your Siemens System. It can make the entire job of operations management easier for everyone involved.

Control Management, Inc. offers local, in-house Siemens operator training courses to help your staff reach their most productive skill level. Our courses are also an excellent way to get new staff members familiar with your Siemens system. Our affordable courses are based on different skill levels and course topics to meet the needs of your entire staff.

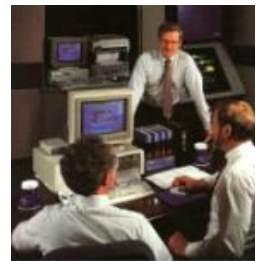
Courses offered are:

- ◆ **AIG-101:** Insight for New Users: Introduction
- ◆ **AIG-202:** Insight for New Users: Reports, Trending & Scheduling
- ◆ **FPWS-101:** Field Panel Web Server Operations
- ◆ **TEC-101:** Insight for New Users: Terminal Equipment Controllers
- ◆ **TM-101:** Terminal Mode for New Users

Don't wait to enroll. Classes are limited to 8 students and fill quickly, so please [visit our web-site](#) for class schedules and to reserve your spot.



Ernie Glenn, our Siemens training coordinator, is factory certified and has been teaching classes at CMI since 1996. He also teaches for Siemens.



Employee Spotlight



Jason Middleton

The CMI Employee spotlight this month falls on **Jason Middleton**.

Jason started with CMI 6 years ago as a service technician. For the last 2 years, in addition to still doing service work, he has made the transition over to Project Management. He will be overseeing the fire, card access and CCTV portions of one of our latest projects at the Volvo Plant in Berkeley County, SC. Jason is a Georgia Tech graduate and is NICET III certified.

In his free time he enjoys golfing, boating, fishing, hunting and reading up on non-fiction history and politics.

In Memory of Lee Ford

CMI was dealt very sad news this year bearing the loss of our friend and co-worker Lee Ford.

Lee was an integral part of the CMI family working as a service technician for 14 years at our Charleston Field Office. He is greatly missed.

As a testament to his love of golf, CMI held a golf outing for the Charleston office service contract customers in memory of our dear friend Lee at the Wescott Golf Club and we thank all those who participated in this event.



Obituary

Vernon Lee Ford, 58, of Mount Pleasant, South Carolina, husband of Jean Brodie Ford died Saturday, May 14, 2016. The family will receive friends on Wednesday, May 18, 2016 in J. HENRY STUHR, INC., MOUNT PLEASANT CHAPEL, 1494 Mathis Ferry Road from 5:00 pm to 8:00 pm. All other services will be private. Lee was born May 10, 1958 in Muncie, Indiana. He served in the United States Navy from May 28, 1975 until May 27, 1981 on the USS John F. Kennedy CV-67 aircraft carrier. Lee was a longtime employee of Control Management, Inc. He was an honorary lifetime member of the USS

Laffey Association and enjoyed golf, sports fishing and working on classic muscle cars. He is survived by his wife of 30 years, Jean Ford of Mt. Pleasant; son, Billy Ford of Charleston, SC; daughter, Michelle Ford of Mt. Pleasant; sister, Deborah Osborn and her husband, Robert, of Muncie, IN. He was loved by many friends, numerous brothers-in-law, sisters-in-law, nieces and nephews. He was preceded in death by his father, William Vernon Ford and his brother, William Wright. Memorials may be made to the USS Laffey Association, 2951 Colchester Court, Abingdon, MD 21009.

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Providing quality energy management & control systems, equipment, and services to South Carolina, and select North Carolina and Georgia territories

Control Management, Inc. designs, installs and maintains facility management and control systems which provide optimum energy consumption while maintaining precise environmental conditions in your facility. We understand that every customer has different criteria in terms of facilities, budgets, personnel, training, and energy consumption. To meet these individual needs, we provide customized facility management solutions. Solutions that guarantee customer satisfaction and system performance while adding value to your facility at a minimal cost.

As an Independent Field Office (IFO) for Siemens Building Technologies, Control Management is able to provide the most advanced system technologies available.

Siemens Building Technologies is an industry leader in providing building management solutions to commercial and other non-residential facilities.

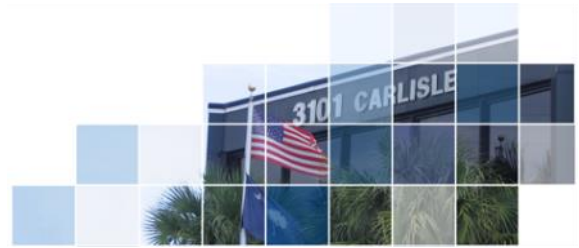
Member



Solution Partner

Building Technologies

SIEMENS



Jeff Gandy—Retirement

Congratulations go out to our very own Jeff Gandy who retired in July 2016. Jeff Gandy served as a service technician for CMI. After 17 years of service Jeff is now enjoying his well deserved retirement.

NEWSWORTHY:

