

# The Control Zone

Total Solution for all your Control Needs



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## From the Desk of the President:

*Having the right control system to monitor your HVAC chiller is crucial in maintaining equipment and comfort in your building. Equipment running with less downtime provides more efficient use of today's energy.*



## COMMERCIAL ENERGY EFFICIENCY SOLUTIONS

In dense urban areas, commercial buildings can account for up to 75% of energy used and 20% of greenhouse gas emissions. The challenge of reducing carbon emissions makes it essential to retrofit existing corporate and commercial buildings for energy efficiency, while making sure new construction projects result in green buildings.

### MCS CONTROLS – THE 'HEART' OF YOUR HVAC SYSTEM

Every building is different and it is important for the engineer to select the proper HVAC control system and programs to control the various types of HVAC equipment in any building. For building control systems to be effective, it is important that the systems are installed properly and are up to date.



MCS has worked with our OEM's customers and installers to design control systems that help manage both new or existing installations. Each installation is unique and requires different transducers, pressure sensors, relays and control strategies to handle the everyday operation of the building it is controlling.

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#### Up Coming Issues . . .

Controlling multiple compressors with MCS software

With over 60 years of experience in designing building control systems for the chiller industry, MCS engineers will work with you to provide your customers with a MCS Control System to improve efficiency and reliably.

## \$15,000 IN ESTIMATED ANNUAL SAVINGS ! ELIMINATION OF OVER 99% OF NUISANCE TRIPS ! REDUCED SERVICE CALLS BY OVER 98%

Edgewood Elementary, Fort Myers, FL

Improvements and upgrading is an important part of our business. Many HVAC Chiller systems have inadequate equipment with poorly designed control systems.

Working closely with our OEM customers and installers we are able to evaluate older installations and suggest upgrades or new control systems that will **reduce operating costs, downtime and service requirements to keep these units running.**

The Magnum provides flexibility with setpoints and control options that can be selected prior to commissioning a system or when the unit is live and functioning.

The MCS Magnum is available as a replacement control system using your enclosure or with a complete new enclosure. Enclosures are available for indoor or outdoor use, utilizing our new touchscreen mounted in a NEMA4 box.

Call today for more information or visit our web site.



[www.mcscontrols.com](http://www.mcscontrols.com)



# MCS Family

**Our employees are one of the greatest assets we have.**



**Brenda Liz Davila**

Brenda has been a valuable employee of Micro Control Systems for over 14 years and is dedicated in performing the tasks at hand.

Her official title is Purchasing Manager but she does so much more. She is also responsible for inventory management including all parts used for controls production. She makes sure we have the correct parts so we are able to manufacture and assemble our products in a timely manner.

*"I am forever grateful to MCS for giving me the opportunity to become a part of their family and for sharing their knowledge and experience with me. It has helped me immensely in all my endeavors. Thank You for recognizing the spark in me and giving me the opportunity to be what I am today."*

When she is not devoting her time here at MCS, Brenda is 100% a family woman. She enjoys spending all her extra time with her kids and family.

Thank you Brenda for your years of service and hard work and for helping MCS become a leader in Micro Controllers.

*I have not failed. I've just found 10,000 ways that won't work.*

*I never did anything by accident, nor did any of my inventions come by accident; they came by work.*

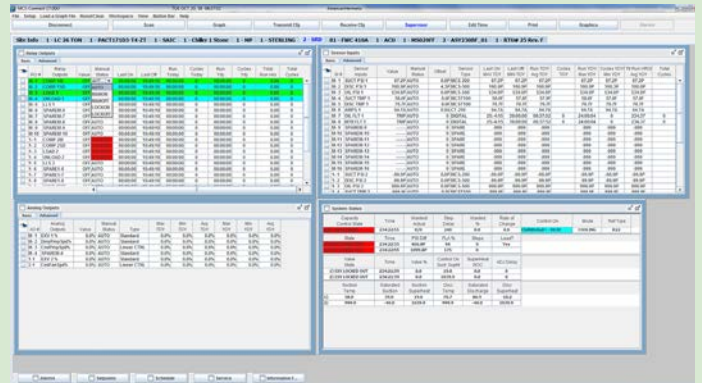
*If we did all the things we are capable of, we would literally astound ourselves.*

Thomas A. Edison

## MCS-CONNECT

MCS-Connect software is part of the MCS Support System. Its purpose is to provide both local and remote communication for MCS controllers either by themselves or as part of a network.

MCS-Connect allows the user to monitor the status of the micro controller in real time and, with proper authorization, changes can be made to the system. In less than a minute, configuration files can be transmitted to or received from a MCS micro controller.



## The MCS-ZONE-II

A highly accurate and reliable sensor that mounts on a standard junction box, both in the US and international designs. Only one cable is required to the unit making it easy to install in the field.

There is a connection point located on the board for wiring a CO2 sensor to ensure proper levels are being maintained.

The MCS-ZONE-II continues to have the override button option that allows the user to go from unoccupied to occupied mode.

MCS also added an optional target reset button that will allow the user to adjust the target setpoint when connected to a MicroMag controller.



**MCS Energy Efficient  
and RoHS Compliant**

[www.mcscontrols.com](http://www.mcscontrols.com)

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