

The Control Zone

Total Solution for all your Control Needs



Issue One

January 2015

From the Desk of the President:

Brian Walterick, President of MCS, said these are inspiring times with the improvements of existing products and development of new and exciting products for the 21st century.



MCS-EXV-DRIVER



- Standard 120/240 VAC powered
- Value position led display
- Auto/Manual operation
- Closed Valve on power failure eliminates need for Liquid Line Solenoid
- 33% faster valve operation
- CSA approved

MCS has just completed a new Power Point presentation on its proprietary EXV Controller and control strategy. It will be used as part of the MCS Training class program, held at the MCS Complex, and presented to the MCS customers.

Brian Walterick, President of MCS, said it allows the user to start with the basic control functions, then expand to see how the proprietary MCS EXV control logic incorporates the super heat Rate of Change (ROC), the LOAD ADJUST and the Load Suction algorithms to encompass complete EXV Controls.

SENSING TECHNOLOGIES

The design and manufacturing arm of MCS's temperature sensors, pressure transducers and all cabling, has made the move into their own 10,000 square foot building on the MCS Complex. The final stages of the move took place in October of 2014. The facility has been completely renovated including a new 25 ton AHU.

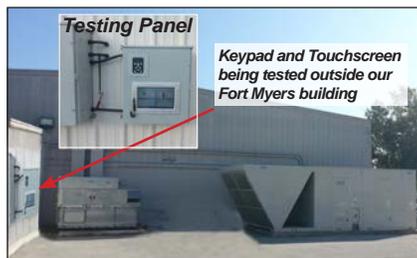
Sensing Technologies designs and builds temperature sensors for many industries across the USA. The management has over 50 years experience in the design and construction of sensors. MCS and STI have been working together for over 7 years.

In this Issue . . .

- MCS-EXV DRIVER
- Sensing Technologies Inc.
- Weatherproof Keypad
- Energy Guide
- Lead Free Solder Machine
- MCS Family Member

Up Coming Issues . . .

MCS-Micromag
Hanbell VFD Performance



an MCS-KEYPAD to enable this use. This will help with some installations where space is limited.

WEATHERPROOF KEYPAD

We received requests from our customers to develop an MCS-KEYPAD which can be mounted on our control panel for outside use in the field.

Our engineers are now in the testing phase to make the necessary changes to



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THE ENERGY GUIDE

Facility owners may be faced with the daunting task of reducing operating costs, but many facility owners are unaware of the surplus of money-saving opportunities that exist within their region.

One option for economically sound facility management is common sense, such as replacing an entire older system that requires constant maintenance with a new one.

However, system overhauls usually require system downtime and a large budget. System upgrade is another option for facility managers lacking the budget for a full system replacement, but provides the same energy /efficiencies.

The MCS Energy Performance System—a program developed by MCS to find the best ways for clients to save money on facility management costs—has determined that using rebate programs offered by regional power companies has several distinct advantages. For example, power company rebates are incentives offered by the power company simply by being a customer; they are ostensibly free.

For a utility company to determine a customer's eligibility, the customer must first:

- Perform an analysis of the building's mechanical system.
- Qualify the opportunity by using the data collected.
- Use an approved Utility Company Energy Engineer.

Once eligibility is confirmed, the regional power company will be able to calculate a potential rebate based on several factors, such as utilities being used in the facility.

As a cornerstone to the MCS Energy Performance System, the rebate programs are both Cost-Effective and Time-Effective due to their immediate implementation. Best of all they were designed to help the Facilities Managers.

New Energy Savings Guides will appear in future issues of the 'Control Zone'.

MCS Energy Efficient and RoHS Compliant



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MCS GOES GREEN

"GREEN DUAL-WAVE SOLDERING SYSTEM"

MCS just added a new MannCorp Lead-Free Dual Wave Soldering System which now enables MCS to complete their objective of being 100% RoHS compliant.



The unit is capable of soldering 1500 assemblies per 8 hour work shift. It includes advanced features such as: Dual Wave, Self Cleaning, Titanium Finger Conveyor, Spray Fluxes, Forced Hot Air Connection, Pre Heat and Energy Saving Mode that conserves power.

MCS Family

Tim had prayed for career guidance after graduating from Lee County High Tech Central. When he interviewed with John Walterick, at MCS, and John said "PRAISE THE LORD" he knew it was the beginning of an answered prayer and a long journey. Tim initially attended High Tech to become a computer electronics technician. Unfortunately, the class was full so Tim decided to attend classes to become an electronics technician. Tim had become so engrossed in the process of general electronics troubleshooting, testing and repair that he stopped thinking about becoming a computer technician.



MCS Senior Electronics Technician
TIM CARTER

Tim started with MCS in 2001 and in a short period of time became a senior technician. He finds the daily challenges of electronic problem solving to be both difficult and rewarding aspects of his job and thinks of MCS as a home.