

The Control Zone

Total Solution for all your Control Needs



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From the Desk of the President:

It has been a busy year at MCS. I just returned from the middle east after a long 3 week trip over-seeing the startup on new OEM equipment. In my spare time, I completed working on new firm-ware to add to our expanding line of software which can control superheat. The new firmware, PID, has been testing in multiple OEM facilities and in our own plant. Contact our sales team at sales@mcscontrols.com to review this firmware or any other information you might need.



What's Happening!!

A phrase that brings back memories of a television show from 1976 starring 'Raj'. The phrase 'What's Happening' was used as a greeting on the show. Raj was a intelligent, well-mannered young man who wore large black horn-rimmed glasses and aspires to be a writer.

MCS employs engineers like Raj who are aspired each day to develop products which make your work easier and more **Cost Effective**.

Over the last few years, MCS has been working on a 12 volt system which will reduce the power consumption needed to run our controls. Testing has been done in our manufacturing plant here in Florida and by many of our OEM customers to show that the +12 volt systems works on their equipment.

The MCS-MAGNUM +12 system includes a number of products all using 12 volts to power the Magnum, Touchscreen, expansion boards, etc. used in our control enclosures, or each can stand alone in your enclosure using the MCS Power Supply.

With the development of the +12 system, we have also developed expansion boards which double the number

of AO's, RO's and SI's which use the same footprint as our other expansion boards, all running on 12 volts.

The photo below shows a MCS Enclosure with **+12 boards**, MCS Touchscreen, MCS-MODBUS, MCS-EXV Drivers, and a MCS-IO-Base with MCS-IO-EXT board mounted on top of the base. This enclosure allows for the following: 28 SI inputs, 20 RO outputs, and 8 AO inputs plus the two MCS-MODUS boards.



Input power supplied to the enclosure can be 115/230 volts, and using a MCS Power Supply is converted to 12 volts to power all the boards in the enclosed above.

Depending on the number of boards and products used with the +12 system, a MCS Power Supply is provided which will have enough voltage to handle all boards, etc.

A brochure, data sheets, and the complete line of +12 products are available on our website at:

<https://mcscontrols.com/magnum12V.html>

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