

Micro Control Systems

for Complete HVAC/R Controls

**Energy Efficient
and RoHS Compliant**

**Control
Enclosures**



NEMA Type 4 Enclosure

**Hanbell Compressors
Optional VFD**



Sensors



UL US

5580 Enterprise Pkwy., Fort Myers, FL 33905
Office: (239) 694-0089 Fax: (239) 694-0031



www.mcscontrols.com

HVAC and Refrigeration Controls for the 21st Century



MCS Magnum Door

MCS MAGNUM CONTROLLER

- ◆ Controls up to 20 Compressors (all types)
- ◆ BACnet IP, Modbus IP and Modbus RTU standard
- ◆ Chillers, Roof Top Units, Loop Control & Plant Manager
- ◆ 1008 History Samples of all Data
- ◆ 100 Alarms w/120 seconds Graphing of Details
- ◆ Ethernet Port (Internet Ready)
- ◆ Expandable to 80 Relays, 112 Sensors
28 Analog Output Points

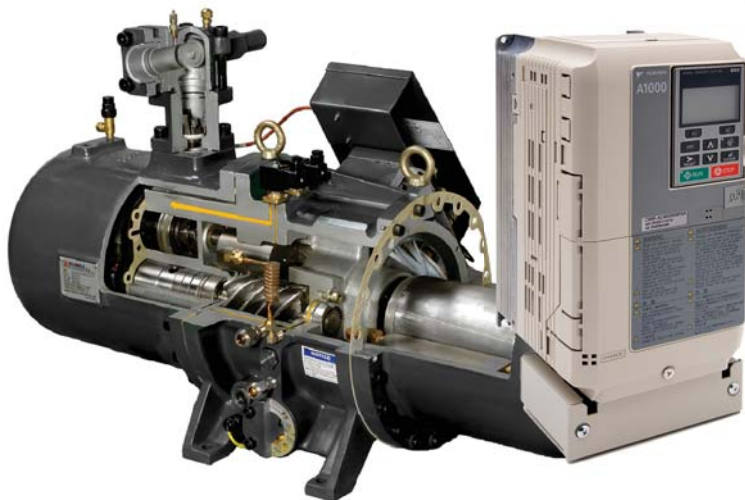
MCS TOUCH - 15.4" & 7"

Door Mount Touchscreen
designed to simplify user access

- ◆ Customizable to Users Application
- ◆ Nema 4 Rated (Weather Proof)
- ◆ Color Graphics with Animation
- ◆ High Resolution (1280x800) LCD Display
- ◆ Extended Temp. -20°C to 70°C (-4°F to 158°F)
Operating Temperature



MCS-Touch-15.4



HANBELL SCREWS

- ◆ Range 30 Tons to 500 Tons
- ◆ Quiet by Design
- ◆ 2 year Warranty, 3 years if MCS Controlled
- ◆ Compressors, Parts & Oil STOCKED in USA
- ◆ Compressors Designed for Infinite, Step or VFD
(Variable Frequency Drive) Capacity

**NUCLEAR CERTIFIED: Seismic Tested,
Software Validated, EMC/EMI Tested**



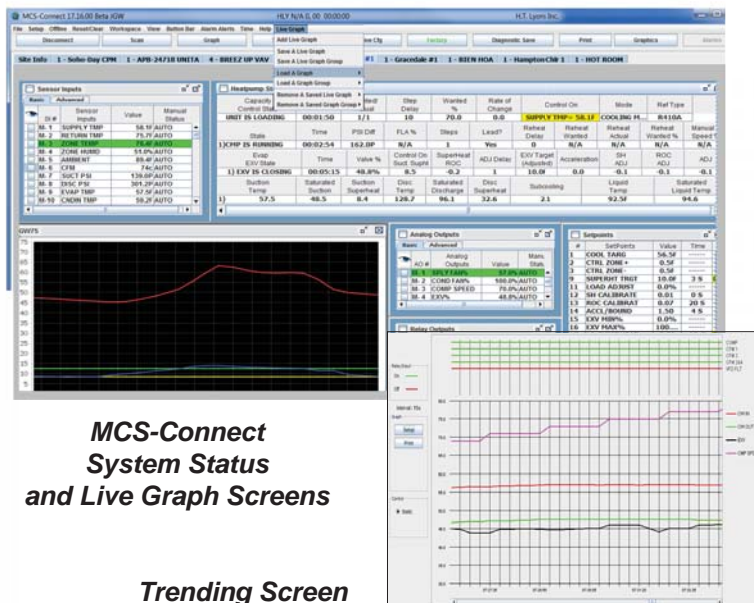
HVAC and Refrigeration Controls for the 21st Century

MICROMAG CONTROLLER

- ◆ Controls up to 6 Compressors (Fix Step only)
- ◆ BACnet MSTP & Modbus RTU Standard
- ◆ Packaged Units or Chillers
- ◆ 300 History Samples of all Data
- ◆ MCS Communicating Thermostat - Zone Installed
- ◆ 1 Digital Scroll, 26 Relays, 42 Sensors, 12 Analog Output Points
- ◆ Two RS-485 communicating ports



MicroMag - V6.1



MCS-Connect System Status and Live Graph Screens

Trending Screen

MCS-CONNECT

Software is part of the MCS Tool Box for the MCS Controllers

- ◆ Java Based, Windows & Linux Compatible
- ◆ Tech Friendly Interface
- ◆ Remote Communication via Mobile or Internet
- ◆ Multiple Authorization Levels for Security
- ◆ System Status and Live Graph can be viewed in custom works spaces
- ◆ Historical Static Graphing / Trending data

MCS TOTAL SOLUTION

- ◆ Controllers, Screw Compressors, VFD & Sensors
- ◆ Complete Technical Support
- ◆ Training Classes at our Fort Myers Facility
- ◆ On Site- Startup Assistance Available
- ◆ Complete Website Support - Technical Product Sheets, Installation Manuals, Wiring Diagrams, Dimensional Drawings



MCS Training Benches

Easiest to Use, Best Supported and Most Reliable

The MCS Commitment

The founders of Micro Control Systems Inc. have been in the manufacture of Microprocessor Controls their entire careers and have over eight decades of combined HVAC/R Microprocessor Controls experience. MCS was founded to meet the needs of the Utility and HVAC/R Industries with products based on the following design criteria:

- ◆ **Quality & Service**
 - ◆ **Cost Effectiveness**
 - ◆ **Ease of Use**

Our commitment is to provide practical solutions for the industries needs and to be both a leader and partner in the effective use of Microprocessor Controls.



Directions

- ◆ Interstate 75 to exit 139, West on Lockett Road
- ◆ Right at 1st light into Billy Creek Commerce Center
- ◆ Bear right with Enterprise Parkway
- ◆ Follow Enterprise as it parallels Interstate 75

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**Visit our web site at:
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**For more information send email
to: sales@mcscontrols.com**



**Providing HVAC/R Solutions
Worldwide**