



SOFTWARE RELEASE NOTES

MCS-MAGNUM Version 9.01H 12/15/2011

Updates from previous versions:

New Features:

1. Added Two new sensors:
 - a. Setra 5" static pressure sensor with 1 decimal place
 - b. Setra 0.2" static pressure sensor with 2 decimal places
2. New type of analog output: DIGITAL SCROLL. This will provide the following voltage output. If less than 10% then 0 volts will be outputted. From 10 to 100% will be scaled from 1.5 to 5.0 volts output.

HVAC SOFTWARE ONLY:

3. Added Heat pump compressor support. Two corrections were made for when the unit is in heating mode and a defrost cycle is required.
 - a. Corrected common reversing valve control for multiple circuits. Once in heating mode the valve is turned on and when any circuit is in defrost the valve is turned off.
 - b. Corrected condenser fan(s) control to be based upon the discharge pressure when in defrost. (for both common reversing valve and common modulating condenser types).

Bug Fixes:

1. Corrected condenser control logic when an amp sensor is not specified for a compressor. (the problem was the condenser would not run if an amps sensor was not specified for the corresponding compressor, because the software determines if a compressor is running based on the amps sensor.)

HVAC SOFTWARE ONLY:

2. If the MAX RUN HOURS feature was selected when resetting the counter from the Magnum display it caused the system to lock out with the MAX RUN HOUR EXCEEDED state after a computer reset. Corrected.

Any questions regarding this release, contact:
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