



SOFTWARE RELEASE NOTES

MCS-MAGNUM Version 14.00P 06/21/2013

Updates from previous versions:

Bug Fixes:

1. HVAC-Corrected the issue with the Voltage/Cut in & out control for screw compressors. The calculation of the wanted % was not always correct.
2. Extensive testing of RTU has corrected the following issues:
 - a. Single Zone control logic.
 - b. If heat pump compressors:
 - i. When in defrost force condenser AO to 100% (both individual & common modulating types)
 - ii. When high ambient occurs also change the heat pump status to AMBIENT OFF
 - c. Added a safety that test the condenser coil temperature 1 for a low temperature. This test is always made, compressor on or off. It uses set point #234 (new set point). This is a standard type of set point alarm. Set point must be either an ALARM or LOCKOUT type & all of time delays can be used.
 - d. If an exhaust fan fault occurs, the exhaust fan relay will be turned off and its Manual Status will be set to LOCKOUT. A reset lockout will be required. Also the exhaust fan AO will be set to 0.
 - e. Correct the problem with reheat not functioning unless a reheat damper was used.
 - f. The compressor AO control, if used, was updated to be the same as in HVAC. When the unit was holding the individual compressor AO values were moving, this was also corrected.
 - g. Energy Recovery (Heat) Wheel:
 - i. The state timer and the time needed to clean the wheel were double counted.
 - ii. The time in the clean mode was limited, less than 300 seconds? Corrected this problem.
 - h. When in dehumidification mode if the humidity dropped below the top of the dehumidification control zone the system returned to vent only mode. Corrected, now the humidity must drop below the bottom of the control zone before leaving the dehumidification mode.

Any questions regarding this release, contact:
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