



SOFTWARE RELEASE NOTES

MCS-MAGNUM Version 14.00F 06/11/2013

Updates from previous versions:

New Features:

1. RTU-Added single zone vav logic (changes the supply fan control). Use the constant air volume for the supply fan. Setpt #225 must be SETPOINT type and if Variable Air Volume Single Zone option selected then modify the value of Setpt #225. Setpt #131 will be reused as high CO2 value. Setpt #207 will be reused as mul/div for fine tuning the adjustment value. Setpt #231 will be reused as adjustment for the supply fan speed (min adj, delay & max adj). Setpt #232 will be reused as cooling min/max & min if high CO2 for the supply fan speed. Setpt #233 will be reused as heating min/max & heat pump min for the supply fan speed.
 - a. If in cooling mode and the vent only si is greater than cool enable zone (setpt #218) increase the supply fan speed.
 - b. If the vent only si is less than top of zone & is greater than target no change in fan speed and the vent only si is less than target then decrease fan speed.
 - c. If in heating mode and the vent only si is greater than heat enable zone (setpt #219) decrease the supply fan speed.
 - d. If the vent only si is less than target and greater than low zone then no change in fan speed.
 - e. If the vent only si is less than low zone then increase fan speed.
 - f. If in vent only mode then constant at cool start (#232) unless high CO2 then constant at CO2 start.
 - g. If in dehumid mode same as cooling mode.
2. ALL SW- Added option to setup to generate alarm when config file is updated.
3. RTU-If in heating mode increased anti cycle & state timers extra count. Therefore in pump down time 1/2 when going off.

Any questions regarding this release, contact:
support@mcscontrols.com

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Bug Fixes:

1. RTU-Problem with heat pump staging on when in heating mode. Resolution: SW was setting steps wanted on to 0 incorrectly.
2. RTU-Problem when in heating mode with heat pump & staged. Resolution: Set the heat pump to unload now.

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