



SOFTWARE RELEASE NOTES

MCS-MAGNUM

Version 9.12Z

04/11/2013

Updates from previous versions:

Bug Fixes:

CENT Software

1. When control temperature is below zone change test of below zone by 1.0 to a variable based upon setpoint, SP_CONTROL_ZONE_LOW low zone cell value. Note make this set point a TARGET type of set point.
2. Fixed compressor speed logic. If logic is in vane control before compressor speed match wanted speed actual speed did not move. Added test if wanted is less than actual then slowly reduce the actual speed.

CENT, HVAC & RTU Software

1. Corrected the circuit_needs_to_be_disable() function problem with low and high ambient off if it is a user logic. Problem occurred with all user_logic or BMS types that are digital sensors. These sensors were also testes as if they were analog sensors. This caused a problem unless SP_LO_SI_OFF value is 0 and SP_HI_SI_OFF is 1. This means these setpoints could not be used to develop user logic digital inputs that use a control zone. Added that if user_defined_display_type is DIGITAL_INPUT do not test for analog value.

LWC Software

1. Corrected the problem with turning on chiller points when one is on and it fails. Next point was turned on but when the failed point recovered it was also turned on. Steps wanted/on remained as 1/1 but two steps where on.

Any questions regarding this release, contact:

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RTU Software

1. Added Modbus BMS Support for new RTU Heating/Cooling States, Stages and Wanted%
MCS-Config --> Added support for Modbus RTU BMS Heating/Cooling points

Point Info(Value)	Point
Register 30306	COOLING STATE
Register 30758	UNIT MODE
Register 30759	UNIT STATE
Register 30760	BUILDING MODE
Register 30318	Cooling Wanted FLA% RTU else Wanted FLA%
Register 30315	Cooling Steps Wanted On RTU else Steps Wanted On
Register 30316	Cooling Steps On RTU else Steps On
Register 30317	Cooling Step Delay RTU else Step Delay

//The following Points are Only displayed if there is a heating type selected on the Heating Info screen

Register 30761	HEAT STATE
Register 30762	Heating Steps Wanted On
Register 30763	Heating Steps Wanted On
Register 30764	Heating Wanted%

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