



SOFTWARE RELEASE NOTES

MCS-MAGNUM **Version 17.24B** **02/13/2017**

Updates from previous versions: 17.24A

New Features:

1. All Firmware Versions - Add Adaptive Condenser control logic.
2. CENT, MHRC, PAO, RTU, HVAC - changed the lube oil low temp off lockout from 2 hour delay to 4 hr delay.
3. RTU Firmware - Change lube low oil temp lockout form 2hr to 4 hrs.
4. New Defrost logic - REFR only - worked on new defrost logic. This is not completed.

Bug Fixes:

1. EXV Fast SSH function: Source code tab alignment changed & Deleted commented lines- no function change to the executable firmware.
2. EXV Fast SSH control: Added code to not allow Fast SSH to open the EXV if in MOP HOLDING
3. EXV Fast SSH control: Added code to not allow Fast SSH to open the EXV if superheat is greater than the target and MDP state is closing or holding.
4. EXV control: Changed test on option to find the lowest suction superheat in the suction group to check on the EXV control type. PID control uses the Setback field and all the other control types use the High Zone field. if nonzero then develop control super heat based upon the lowest superheat of any compressor that is on with in this suction group else use the superheat of this compressor.
5. CPM : Problem reported by Ting. Pumps should run for at least 2 minutes after a chiller trips on an Alarm (Remote SI Alarm). Added CHL stage ON delay logic.

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

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Pumps will come ON first and after a min of 30 sec or STP107 value CHL will turn ON.

6. HVAC, CENT, REFR, MHRC, PAO, RTU verison only - Fixed issue with low cond level logic when setup for cond level EXV control. Test was doing hi level - for evap level exv control.
7. MHRC and HVAC - Change the test on ROC for the chiller status relay output. If ROC was 0 it would not turn off the status RO.

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