SOFTWARE RELEASE NOTES

MCS-MAGNUM
Version 9.10F
06/24/2012

Updates from previous versions:

New Features:

1. **New refrigeration type R402A has been added.**
2. **Standardized logic to control hot gas solenoid has been added.**
3. **Note set point #4, 'SP_HGB_TEMP_CUTIN' and setpoint #5, 'SP_HGB_TEMP_CUTOUT'. If the safety time is greater than zero, it will be used in place of default values of 25% on and 30% off. If used, there is no decimal place; 20 is 20%.**
4. **Standardized pump down logic has been added.**

HVAC SOFTWARE ONLY:

5. **Added sub-cooling control CLLC. Same functions as CENT. Also, this option requires the current releases of both config & connect programs. Only difference is in the set points:**

	HVAC	CENT
a. SP_CLLC_LEVEL_TARGET	#225	#216
b. SP_CLLC_VALVE_TARGET	#226	# 217
c. SP_CLLC_MAX_ROC	#227	# 218

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

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Bug Fixes:

1. **Communication issues have been resolved.**
2. **EXV control logic set point #64, EXV ZONE 1, has been expanded to allow specifying when the super heat will be tested for low suction. If used change this set point to TARGET type and us the night setback cell to indicate the super heat value.**

HVAC SOFTWARE ONLY:

3. **A problem with the Hanbell fixed step compressors with multiple tandem exv circuits has been corrected. It was incorrectly pointing to the liquid line solenoid.**

REFR SOFTWARE ONLY:

4. **A problem has been corrected when calculating the POWER LOSS DELAY state. If the value in set point #159, POWERE LOSS DELAY, time was greater than 9, the unit never came out of this state.**

RTU SOFTWARE ONLY:

5. **A problem with the Hanbell fixed step compressors with multiple tandem exv circuits has been corrected. It was incorrectly pointing to the liquid line solenoid.**

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