



SOFTWARE RELEASE NOTES

MCS-MAGNUM Version 14.02X 01/30/2014

Updates from previous versions:

New Features:

RTU:

1. This software also has the option to add heat when in the unit is in the EVAP FAN ONLY state and the supply air temperature is low.
 - a. To activate this option both set point #111, FREEZE PROTECT, and #246, new set point must be active.
 - b. There is no change to how set point #111 functions.
 - c. Set point #111 value = 35
 - d. Set point #163 is the heat target, no change to this set point. Value = 72
 - e. Set point #246: value is not used,
 - f. Safety time is not used,
 - g. High zone is used as the top of control zone = 2
 - h. Low zone is used not used
 - i. Night set back is used and is added to the value of set point #111. = 10
 - j. When this option is active:
 - k. When in EVAP FAN ONLY state and the supply air temperature is less than 45; the value of #111 (35) + night set back of #246 (10) the mode will be changed to HEATING and set point #163 will be changed to 45 and the heat control sensor will be changed to supply air temperature, the RTU state will remain EVAP FAN ONLY. The heat function will operate as normal. Once the supply air temperature is greater than 47 (45 plus the high zone of #246) the heating state will be off and the mode change to VENT ONLY.
 - l. When in EVAP FAN ONLY state with HEAT mode and the unit enters the HEAT state, the RTU state will be changed to heating and the heating steps will remain where they are, nothing will be turned off. Set point #163 set point will be restored to its original setting (72) and the control heat sensor will also return to its original setting. Heating will function normally.

Any questions regarding this release, contact:
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- m. When in HEAT state & mode and the unit is to return to EVAP FAN ONLY state, if the supply temperature is less than the 45 the mode will remain as HEAT and the heating steps will not be changed. Set point #163 & control sensor will be changed as above.

Note: The object is to provide heating if the supply air is too cold and not to cycle the heating steps when the system moves from one heating mode to another.

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