



SOFTWARE RELEASE NOTES

MCS-CONFIG **Version 18.01H** **08/23/2018**

Updates from previous versions:

New Features:

1. In ALL cfg types V17 on the SI Info and RO Info screens under the Display Type column when the type selected is User Logic adding two new operator types to the Operator list called High Range and Low Range. High range will return the highest value between an SI, AO, or RO #1 operand and an SI, AO, or RO #2 operand and the Low Range will return the lowest value in the selected range of points.
2. In ALL cfg types V17 on the SI Info screen under the Display Type column when the type selected is User Logic and the Operand Type is Circuit #1 thru Circuit #20 adding two new values to the Circuit State list called Pressure Ratio and Surge Speed that will be used for Hanbell RTM applications.
3. In HVAC, RTU, and REFR cfg types V17 adding a new tab to the main MCS-Config screen called EXV Control. This new screen will allow the user to select from different types of EXV Control logic and once setup they will click a Set Values button that will automatically set names and values on the Setpoint and Circuit Base grids. Moving the force functionality from the Circuit Base screen to this new screen.
4. In ALL cfg types V17 on the Circuit Base screen under the EXV Evap Control column adding a new selection called Fast Evap Approach2. Memory location will be circuit_eerom#95 circuit_control3 bit #3 will be cleared if this selection is chosen or set when not chosen.
5. In CENT cfg types V17 on the SI, RO, and AO Info screens when the Display/Control Type column is set to User Logic(RO & SI) or Linear CTRL(AO) the User Logic window is displayed. When any of the Operands are set to Unit Chiller adding a new option to the list that is displayed called Comp Wanted Speed.
6. In CENT cfg types V17 on the MAG CENT screen under the Compressor Info section adding a new panel called Surge Lookup Table Control that will have 2 options: Saturated Temp Differential(Setpoint#128 Time(SEC) field is set to 0) and Absolute Pressure Ratio(Setpoint#128 Time(SEC) field is set to 1).
7. In HVAC cfg types V17 on the MAG INFO screen under the Compressor Info section adding a new panel called Low Discharge Superheat Unloading? that will have 2 options: YES and NO.

Bug Fixes:

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

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1. In ALL cfg types V17 on the Circuit Base screen under the EXV Evap Control column changing some of the default values to spreadsheet.
2. In CENT cfg types V17 on the MAG INFO screen under the Compressor Info section when the Compressor Type selected is Hanbell RTM the RO Sequence Assistant shows a popup sequence error when opening a config file and when using the RO Sequence Assistant on the RO Info screen. Resolution: Add the Hanbell RTM sequence into the Set RO Indexes function.
3. In ALL config types V17 on the Circuit Base screen on the Select Output and Sensor Inputs per circuit grid under the Evaporator EXV Output column when all circuits are set to Not Used the EXV Control tab should not be enabled. Resolution: Add a test in the update of the grid that checks for any circuit set to any index other than Not Used and set an EXV Control flag to true. Also, adding the Subcooler column check to set the Subcooler flag to true as well.

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