



SOFTWARE RELEASE NOTES

MCS-CONNECT Version 18.00C 09/12/2016

Updates from previous versions:

New Features:

1. Change the name of setpoint #130 from GAS_STAGE_PERCENTAGE to STPT_GAS_STAGE_PERCENTAGE.
2. Create a new setpoint index for the Compressor FLA setpoint
3. Also add compressor 5 and 6 to initialization.c and Menu interface.c.
4. Add new points to Bacnet; compressors 5 and 6, condenser 5 and 6 and EXV 5 and 6.
5. Add Code for SKM to change the Supervisory Mode using the Keypad. This New feature need is not fully implemented yet. This feature will allow the user to switch between HAND/AUTO/OFF using the Keypad.
6. Add code to initialize the implementation of a Heatwheel Fault SI.
7. Add new Auxiliary Heat Fault SI, this SI will shut down only the Auxiliary Heat not the heat pump. This Fault SI will not work for the MOD Gas Auxiliary Heat because it has its own Fault SI.
8. Add code to prevent that the condenser RO turn on if is below target

Bug Fixes:

1. In chiller logic the condenser fan was getting inverter for check_reversing_valve_chiller() function. this function should be call for SKM software only. further testing id required.
2. When there was more than 16 SI the algorithm wasn't entering statements because the Comparison was looking for SI been less than SYSTEM_MAX_MODBUS_SI instead of the SYSTEM_MAX_INPUTS.
3. When the condenser was off; Wanted % was displaying the min % wanted instead of 0%, also the ADJ Delay was trying to adjust the value. setting dose values to zero when the condenser is off fix it.

Any questions regarding this release, contact:
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4. In supervisor mode the supervisor_heating_enable_SI wasn't pointed to the si_reference_number.
5. The EXV logic was trying to modulate and adjust the EXV even when the EXV logic is not used. By checking if the EXV AO exist solve this issue. Bacnet wasn't displaying the name of the SIs, ROs and AOs, changing sprintf() function for copy_from_eds() fix this bug
6. During heating the condenser logic was not turning on the ROs because was following the condenser cooling logic. Resolution: add code to look for the heating to be active to set the ROs in heating mode.
7. When the Setpoint STPT_PUMP_DOWN was unused still setting the LLS RO base on PSI, by looking if the STPT is use before enter the logic solve this issue.
8. When the condenser fault 1 is set all condenser RO are turn off, when the condenser fault 2 is set no RO is turn off. this change fix the problem for the fault SI turning off the correct RO, but need more work.
9. Condenser logic Fault: if all condenser Fault ROs are tripped the condenser state will go into lockout.
10. When there was more than 16 SI the algorithm wasn't entering statements because the Comparison was looking for SI been less than SYSTEM_MAX_MODBUS_SI instead of the SYSTEM_MAX_INPUTS.
11. When the condenser was off; Wanted % was displaying the min % wanted instead of 0%, also the ADJ Delay was trying to adjust the value. setting dose values to zero when the condenser is off fix it
12. In supervisor mode the supervisor_heating_enable_SI wasn't pointed to the si_reference_number.

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