



SOFTWARE RELEASE NOTES

MCS-MICROMAG

Version 18.00H

05/22/2018

Updates from previous versions:

New Features:

Bug Fixes:

1. When is a reverse valve in a suction group, the compressors that are not in the reverse valve suction group, need to be disable, to not interfere with the sequence of operation. The setup has 4 compressors and compressor 1 and 3 are in the suction group with the reverse valve, during heating the first Compressors turns on, the second compressor is not part of the suction group, preventing the next compressor to turn on. By disabling the compressors that are not part of the reversing valve suction group fixed this problem. Change: Process Pump; Update SW Version to 18.00-Gc. Also, the Process Pump will be always on, in this case the stages wanted and active will be 1/1 and the AO will be at minimum instead of going to zero when is in zone. Add timer for the Process Pump Fault, the fault was add to the alarm logic.

Add actual stages on = 0 because when the function alarm shutdown cooling rtu() is call the stages on was not resetting to zero.

Process Pump; when the Process Pump goes into Lockout the stages wanted and stages active need to be reset to zero.

Change: when the run stop is on wait for the time set on setpoint STPT_PUMP_DOWN_TIMER before turn off the process pump. Change: Add to the Process Pump a time out that follow the Chill Water Pump.

Change for the Process Pump: when the config is setup only with the Process Pump RO and there is no Target Setpoint for the process pump, the RO will turn on when the unit is running. Change: enable the setpoint STPT_PUMP_DOWN_TIMER to be use to as a timer value for the pump down.

Process Pump: Add the shutdown Process Pump to the schedule.

2. Bug Fixed: at soon the compressor is active the reheat should go to flush, this wasn't happening because the timers where set only is a flush was needed, other problem was that the inactive reheat counter was being activated even when the compressor was

Any questions regarding this release, contact:

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inactive, this was solve in the functions is flush needed and is suction group flush needed.

3. Condenser logic; when the condenser was set to steps, in circuit base, the logic was calculating the as it was modulating condenser, adding to this logic that the stages was fixed solve this bug.
4. When a SI has a filter to average the value, the value was jumping all over the place, by removing the avg samples array from the eds solve this bug. Also,I followed the way the Magnum handled the avg, just to be in the same page.

Release SW version to 18.00 - H

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