



SOFTWARE RELEASE NOTES

MCS-MAGNUM Version 17.23I 07/22/2016

Updates from previous versions:17.22H

New Features:

1. New: Add a tower valve proof safety.

Bug Fixes:

1. CPM: Fix - Ensure that cooling towers count disabled switches correctly.
2. CPM: Fix - Reset cooling tower state timer when the state changes due to disable or lockout switches.
3. CPM: Fix - Count towers requested properly.
4. CPM: Fix - Prevent condenser/cooling towers from having more stages wanted than available
5. CPM: Cleanup - Minor whitespace changes
6. CPM: Fix - Remove redundant count of group isolation valves.
7. SSH PID Logic - Continued working on logic - add delay time when close to target, force min 0.1 adjustment to exv if calculated adjustment = 0, change logic to open/close value when above/below target and superheat ROC is too high.
8. HVAC - Modified test in screw pump down logic to all comp off if EXV is closed. This change was made in effort to resolve problem at Inland Job site.
9. HVAC & MHRC - Correct issue when generating alarm for process pump failure. the old logic would reset the MCS-Connect pop-up alarm constantly if alarm RO was off. Need to set the alarm_flag to true instead of turn on alarm relay and set mcs-connect flags. Turning on the alarm_ro_flag , turns on the alarm and set the flas in the alarm logic. The

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

Micro Control Systems, Inc. 5580 Enterprise Parkway Fort Myers, Florida 33905
(239)694-0089 FAX: (239)694-0031 www.mcscontrols.com

Information contained in this document has been prepared by Micro Control Systems, Inc. and is copyright © protected 2016. Copying or distributing this document is prohibited unless expressly approved by MCS.

alarm_ro_flag logic was turn off the alarm everypass after the process logic was turning on the alarm ro and setting the mcs-connect flag.

10. All SW: MCS-Connect pop-up alarm constantly if alarm RO is ON.
11. Getting compilation error. Variable is not defined nor used in CPM.
12. Corrected issue with not turning on LLS when suction psi is below set point. Waited until the next state.
13. CPM LCD Screen: Reported by Brian Reed. Showing Individual condenser group state screen and system does not have any condensers. Showing "Lock OFF" and pump is running OK.
14. CPM : For a unit with 6 chillers we had to set the addresses in the CPM cfg from 2 - 6 and in the modules/chillers configs 1- 6.
15. User Logic SI: Reported by JGW. In user Logic SI we are returning a 0 for any operants of circuits that are greater that the number of compressors. He wanted to see a Tandem CMP SSH.

Released Version 17.23I

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

Micro Control Systems, Inc. 5580 Enterprise Parkway Fort Myers, Florida 33905
(239)694-0089 FAX: (239)694-0031 www.mcscontrols.com

Information contained in this document has been prepared by Micro Control Systems, Inc. and is copyright © protected 2016. Copying or distributing this document is prohibited unless expressly approved by MCS.