



SOFTWARE RELEASE NOTES

MCS-MAGNUM Version 16.10A 11/10/2015

Updates from previous versions:

Bug Fixes:

1. In Air Defrost with Reverse Cycle backup configs: When the compressor state changes to "DEF – AIR NORMAL" the logic brings on all of the condenser fans. They'll remain on until the time in setpoint #245 expires, and then shut down with the compressor. Solution: Removed code that sets comp on the bank in defrosts flag in Air Defrost with Reverse Cycle logic.
2. MagRef: When the unit tripped, the comp RO and both LLS RO's were "ON". The trip shut off the Comp RO, and LLS #2's RO... but left LLS #1's RO on. Solution: Make it like HVAC... so that the LLS's are NOT locked out on safeties. They'll still shut down on a single compressor unit, when it's in a safety... but on a tandem unit the 2nd compressor will still be allowed to keep them on.
3. MagRef: Disable switch bug....We need to run HIGH DISCHARGE PSI lockout logic even when the disable switch is ON. Right now, no safeties are being looked at when the disable switch is ON, regardless of the state of the compressor RO. Customer needs to ONLY have the High Discharge PSI lockout looked at. Solution: SAFETIES TEST-> Found that we were comparing a circuit state against a unit state. Removed extra code.
4. MagRef: If high temperature exists the unit was not allowing any dehumid modes. Solution: When the system is in dehumid mode allow defrost even if a high temperature exists.
5. MagRef: There is an issue when running the logic that checks for Air Defrost. Solution: Fixed the test that was checking for Air Defrost state.
6. Losing Ethernet port communications with corrupted ICMP Redirect Messages intermittently. Solution: Changed the ZTPCore.lib library to fix Ethernet issues.
7. EXV control logic test for low suction is getting an incorrect result. Solution: Removed the *2 multiplier in the logic.

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

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