



SOFTWARE RELEASE NOTES

MCS-MAGNUM Version 9.12N-T 03/21/2013

Updates from previous versions:

Bug Fixes:

HVAC 09.12-N, CENT 09.12-N & RTU 09.12N

1. Problem with the condenser logic using the target control (Modulating Common, Modulating Individual & Modulating Step Common) of cycling the first relay when the second relay specified as associated with the analog output has been corrected.

HVAC 09.12-P

1. Added fix that corrected the high amp unloading problem for fixed step compressor types or VFD compressors.

ALL VERSIONS 09.12-P&Q

1. Corrected the issue with changing the Magnum screen contrast. Contrast now changes as the contrast number is changed. Prior release only made the change when change was entered.

CENT 09.12-R, HVAC 09.12-R, PAO 09.12-R, REFR 09.12-R, & RTU 09.12-R

1. Phase loss issue corrected in all versions.
2. Corrected LWC issue with pump cycling on for 1 second corrected.

ALL VERSIONS 09.12-T

1. Sensor type Static 50 has been updated (used in ACU software)
2. Expanded the test to determine if a compressor is running for safety tests: added if compressor has an AO and its speed is greater than set point #31, minimum speed or if there is an amp sensor and its reading is greater than associated FLA times the low amp value. (Same test as condenser logic) the compressor is considered on.

Any questions regarding this release, contact:
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