



SOFTWARE RELEASE NOTES

MCS-MAGNUM Version 17.11A 12/04/2014

Updates from previous versions:

New Features:

1. Changed Centrifugal VFD logic to allow the VFD to start at min frequency instead of start at 100%
2. Changed Centrifugal surge increase speed/close vane logic - get out of the surge logic if unit wants to close the vanes due to temp control. This will allow the comp to close the vanes and follow the capacity control unloading.
3. Changed Centrifugal VFD logic to allow the capacity control to switch back to VFD unloading when in Vane Unloading.
4. Modified Centrifugal logic - do not double the pulse time on the vane opening when far away from the wanted vanes % and if comp FLA is above 85%. Let the comp load up slowly, when near full load amps, doubling the pulse time can cause HI AMP trip. (For VFD/VANE control only).
5. Modified Centrifugal logic - if in hi amp safety unloading condition, then 3 times the pulse time for the vanes closed.
6. Added new alarms (fixed types) for Centrifugal applications.
7. Added the FDD (OA damper fault) function based upon FDD documentation
8. Combined Extra V15 alarms and V17 alarms for one master alarm Array.
9. Continued adding manual capacity control functionality.

Any questions regarding this release, contact:
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