



BY JOHNSON CONTROLS

Service Information

File In/With:N/A

SI0304

Supersedes SI0304 (815)

REV

416

Equipment Affected: All TM & VSD Models Compressor Drives Using Mod Bus Communications

“Harmonic Filter Not Running” Warning Message

BACKGROUND:

All drives that have the optional harmonic filter and communicate with the OptiView panel through the Mod Bus communication system may see this problem. The harmonic filter sometimes does not start when the drive is commanded to run. This will cause the “Harmonic Filter Not Running” warning message.

UNITS AFFECTED:

All TM and VSD model drives with harmonic filters that use the Mod Bus communication system.

SOLUTION FOR PROBLEM:

New software for the drive logic board will monitor the run command from the harmonic filter. If the harmonic filter is not running while the chiller is running, then the drive logic board will issue a new run command to the harmonic filter logic board. The harmonic filter will then begin to operate. Order the software listed below for the model of drive. The chip is installed in the U34 location of the drive logic board.

Drive Model	Part Number
TM 50Hz/400 VAC, 60Hz/460 VAC	031-02547-001
TM 50Hz/415 VAC, 60Hz/400 VAC	031-02547-004
VSD 50Hz/400 VAC, 60Hz/460 VAC	031-02547-002
VSD 50Hz/415 VAC, 60Hz/400 VAC	031-02547-005
VSD 60Hz/575 VAC	031-02547-003

Work on this equipment should only be done by properly trained personnel who are qualified to work on this type of equipment. Failure to comply with this requirement could expose the worker, the equipment and the building and its inhabitants to the risk of injury or property damage.

The instructions on this service bulletin are written assuming the individual who will perform this work is a fully trained HVAC & R journeyman or equivalent, certified in refrigerant handling and recovery techniques, and knowledgeable with regard to electrical lock out/tag out procedures. The individual performing this work should be aware of and comply with all Johnson Controls, national, state and local safety and environmental regulations while carrying out this work. Before attempting to work on any equipment, the individual should be thoroughly familiar with the equipment by reading and understanding the associated service literature applicable to the equipment. If you do not have this literature, you may obtain it by contacting a Johnson Controls Service Office.

Should there be any question concerning any aspect of the tasks outlined in this bulletin, please consult a Johnson Controls Service Office prior to attempting the work. Please be aware that this information may be time sensitive and that Johnson Controls reserves the right to revise this information at any time. Be certain you are working with the latest information.