Ducted Systems Technical Services
Service Tips Letter

Letter: **ST-014-2020**

Date: September 29, 2020

To: Ducted Systems (Factory Direct) S1 HVAC Branch Service, Sales, Warranty Managers
Ducted Systems (UPG/Applied) Distribution Service, Sales, Warranty Managers

Subject: **Delta VFD Parameters Nuisance Codes**

Product: **Commercial Built Products with a Delta Variable Frequency Drive (VFD)**

References: **ST-006-2019 and ST-10-2020**

Effective: **January 1, 2020** Expires**:** **January 1, 2021**

Summary: **This letter is to provide information on an emerging issue in regards to Delta VFD Parameter Settings for systems encountering nuisance fault codes and failures.**

We have received a limited number of calls regarding the recently implemented Delta VFD and its parameters. It was determined that some application factors and conditions may cause nuisance failures. To assist with these nuisance failures, we have created a list of parameters that may need to be adjusted while we review this issue. It is also advised to contact Product Technical Support at 877-874-7378 to ensure the changes are ok for your system and its application prior to making them. As we gather data on these occurrences we will revise this letter as needed. Thank you for your patience in this matter.

Delta Parameters:

2.35 – The factory default is 0, it may be needed to have a field change of 1 to allow the drive to restart after a power loss, if the enable fan command still exists and the VFD relay contacts are still closed.

06.06 – The factory default is 2 to allow the VFD to trip in the event the motor exhibits over amping. It can be changed to a 1 to have the VFD limit the output to the motor to prevent over amping and prevent the drive from displaying OT1.

06.49 – The factory default is 0, if changed to 1 it will allow the VFD to restart if exhibiting a low voltage fault. (LvA, LvD, LvS, LvN)

07.06 – The factory default is 0, If it is changed to 1 it will allow the drive to restart after a momentary power loss.

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