



Date: 9-16-2015

Regarding: 5300 Specification Change

To our valued 5300 Synchro / Resolver Standard Customers,

We have experienced an issue with a critical component used in the COTS Product; model 5300 Synchro/Resolver Standard. This component is used to set gain of the precision output amplifiers in the NAI model 5300. Recent lots of this part exhibit a voltage coefficient at higher voltages (50 to 90Vrms) which causes a ratiometric output error, causing the unit to exceed published specifications when being used in **Synchro mode, 90V only**. We have spent considerable time attempting to resolve this problem and at this point the only solution is a specification change.

This situation is unfortunately beyond the control of North Atlantic Industries and we apologize if this causes any issues.

Our specification change will allow customers to continue to take advantage of the state of the art performance of this product with little or no impact on the vast majority of applications. Please refer to the specification change below:

- Synchro mode, 360-600Hz, 50-90V: limit changes from +/- 2.0 arc seconds to +/- 3.0 arc seconds
- Synchro mode, 47-360Hz, 50-90V: limit changes from +/- 3.0 arc seconds to +/- 3.5 arc seconds.

Should you have any major concerns, please feel free to contact us.

Best Regards

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