

Automotive Electronic Unit 101N0650 Hardware and Software Update

Nidec GA Compressors (formerly Secop) will be introducing an update to the 101N0650 (2. generation, figure 1). automotive electronic unit. The units were introduced in early 2015 and are well received by the market. The update will be implemented as part of the ongoing improvement process at Nidec GA Compressors.



Fig.1 Automotive electronic unit 101N0650

Improvements

- Improvements were made in the following areas:
- Fan output regulation during abnormal input voltage changes
 - “Fan starts-too-often” counter increased from 10 to 25
 - PCB improved accuracy in temperature measurement
 - Improved mechanical stability of L250
 - Redundant HW safety circuit and 5 V standby current limiter added to comply with CB approval requirements

Approvals

No VDE and UL updates are required. No re-approval for the customer appliance is required.

Timing of change

The changes are ready for implementation. Customers will be switched over to the updated version after their approval. For further details please contact your Nidec application and sales representative.

Recognition of new version

The new version can be identified on the 2D barcode label (figure 2) on which the new product version and software (SW) version is displayed. The table lists the current and new version of electronic unit 101N0650.



Fig.2 Barcode label on electronic unit

Product code number	Product description	Current product version	Current software version	New product version	New software version
101N0650	BD35 auto 2.gen. electronic	01	SW 1.03	02	SW 1.09

Table The current and new version of 101N0650