

AC/DC Converter Electronic Unit 101N0510 Hardware and Software Update

Nidec GA Compressors (formerly Secop) will introduce an update to the 101N0510 AC/DC converter electronic unit for our BD35F and BD50F compressors. The unit was introduced in early 2016 and well received by the market.

The update is implemented as part of the ongoing improvement process at Nidec GA Compressors.

Software change

Improvements were made in the following areas: switching between DC and AC, fan output, modbus communication, and the robustness of the compressor start under severe conditions.

Hardware change

The PCB layout will remain unchanged. Minor component adjustments have been made.

Approvals

Approval authorities at VDE and UL are informed and the documentation has been updated accordingly. No re-approval for the customer appliance is required.

Timing of change

The changes will be implemented into production as a running change in Q3/2018. Existing material will be delivered until used up.

Recognition of new version

The new version can be identified on the 2D barcode label on which the new product version 02 and software (SW) version 01.26 is displayed. The table lists the current and new versions.



Fig. AC/DC converter electronic unit 101N0510

Product code number	Product description	Current product version	Current software version	New product version	New software version
101N0510	PL-BD AC/DC 2.gen. electronic	01	SW 01.06	02	SW 01.26

Table The current and new versions of 101N0510