

## New Battery cut-in/cut-out Voltage Table for BD1.4F-VSD/FSD Electronic Units

Starting September 2013, Secop will introduce a software update on electronic units for BD1.4F-VSD and FSD.

This software change is a general improvement to our products to provide a battery cut-in/cut-out voltage table more aligned to customer requirements.

The present battery protection function enables customers to select different protection levels via resistors. The new settings will be wider and cover a lower voltage range as well.

### Present voltage table

	Cut-in level [V]	Cut-out level [V]	Cut-in level [V]	Cut-out level [V]
Min.	12.8	11.6	24.4	23.2
Low	13.1	11.9	24.9	23.6
High	13.4	12.1	25.5	24.2
Max.	13.7	12.3	25.9	24.6

### New voltage table

	Cut-in level [V]	Cut-out level [V]	Cut-in level [V]	Cut-out level [V]
Min.	10.9	9.6	22.6	21.3
Low	11.4	10.1	23.6	22.3
High	12.4	11.1	24.6	23.3
Max.	13.4	12.1	25.6	24.3

Customers using the **One Wire LIN Gateway** (Fig.2) communication interface (Modbus parameters) to set the battery value or those using our default value will not be influenced.

The new table is prepared for customers with different protection level via resistor R1 (see wiring diagram on page 2).

### Code numbers affected

Affected code numbers remain the same:

- 101N2100 VSD
- 101N5100 VSD AC/DC model
- 101N2600 FSD
- 101N5200 FSD AC/DC model
- Customer specific versions of above units

Prices for the new version electronic units will remain unchanged.

The new software (see page 2 for version numbers) will be introduced successively when the stock of the old units expires.

An example for a wiring diagram can be found on page 2.

Please contact your usual Secop source for any further information.



Fig.1 Secop BD1.4F-VSD-HD compressor with electronic unit



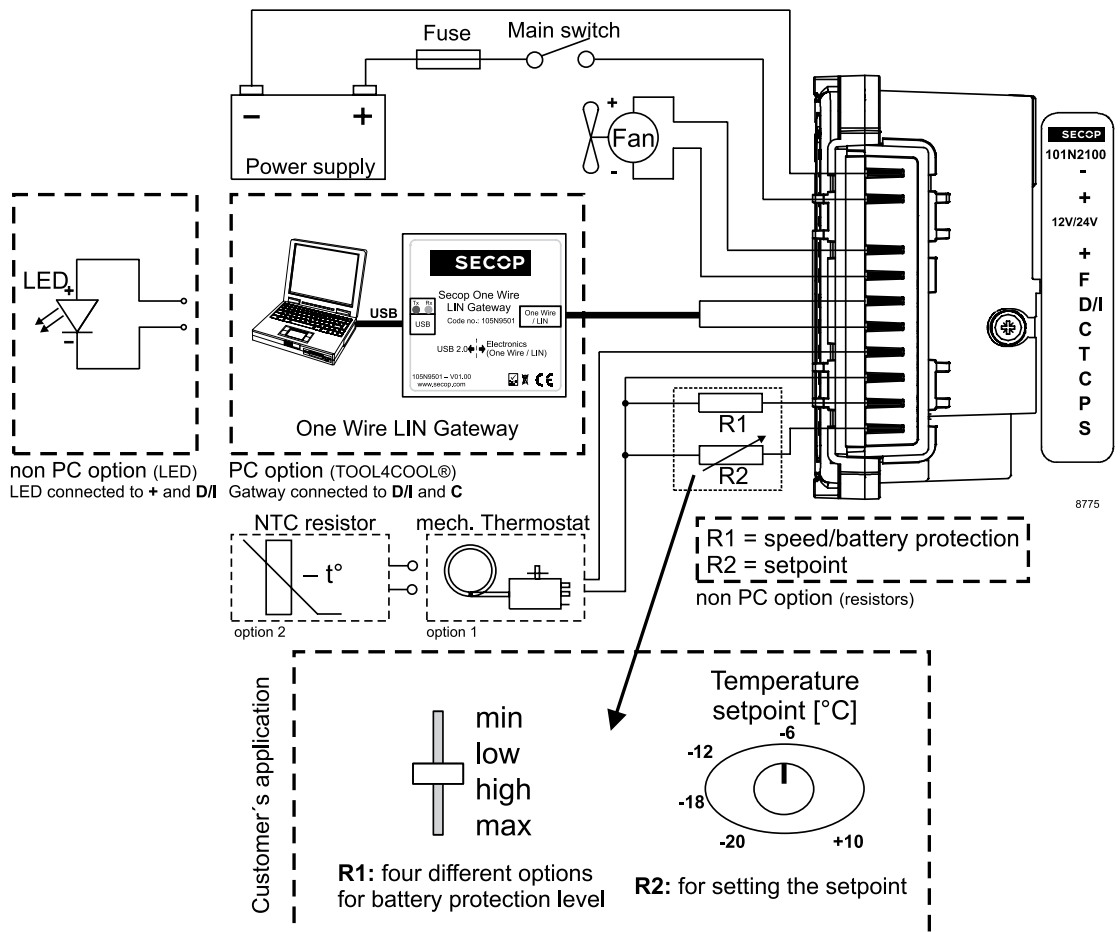
Fig.2 Secop One Wire LIN Gateway for communication with TOOL4COOL®

## Software version

	Electronic units			
	101N2100 Variable Speed (VSD) 12-24V DC	101N2600 Fixed Speed (FSD) 12-24V DC	101N5100 VSD - AC/DC converter 12-24V DC 100 -240V AC	101N5200 FSD - AC/DC converter 12-24V DC 100 -240V AC
<b>Present software</b>	1.03	1.01	1.01	1.00
<b>New software</b>	1.04	1.02	1.02	1.01

The Software will be updated and the software version will be incremented. Identification of the new version can be done via the version number on the 2D data matrix code on the electronic unit.

## Wiring diagram



**Secop GmbH**  
Mads-Clausen-Str. 7  
24939 Flensburg  
Germany  
Tel: +49 461 4941 0

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