

## New Solar Electronic Unit for Secop BD35F/K Compressors

Secop is now offering the successor of 101N0400 and 101N0410 Solar electronic units for our BD35F and BD35K compressors in an upgraded version. To keep up with future trends and regulation requirements within the DC segment Secop has upgraded the existing electronic to keep the BD35F/K units ready for future market demands.

Besides upgraded board components, the new electronic unit 101N0420 will be much more flexible due to the added communication interface. This enables functions like error and event logging, electronic thermostats (NTC) and ECO functionality. The new start algorithm enables successful starts with less solar power available. Significantly improved electronic efficiency helps to improve the overall COP and allowed us to remove the heat sink. Combined with reduced standby consumption and improved EMI performance, today's as well as tomorrow's requirements are met.

The new electronic unit will cover the whole voltage range from 10V to 45V, so it can replace both predecessors with only one new unit. The fan output will be regulated to constant 12V, so the fan performance will be constant and independent of the solar voltage.

The new electronic unit will have the same form, fit and function and is of course backwards compatible (except the fan voltage) making a smooth upgrade to your application feasible.



Fig.1 Old 101N0400 electronic unit

### Production location

Desiring to be, where most of our customers are producing, Secop has moved the electronic unit production from Hungary to China.

### Timing

The new electronic unit will be available from Q2 2016 onwards, while the old 101N0400 and 101N0410 electronic units will be set to end of life shortly after.

Please reserve time for your internal and external testing on all your products currently using the Solar electronic unit.

### Replacements

The electronic units that will replace their predecessors are as follows:

New Code Number	Old Code Number
101N0420 (Fig.2)	101N0400/410 (Fig.1)



Fig.2 New 101N0420 electronic unit