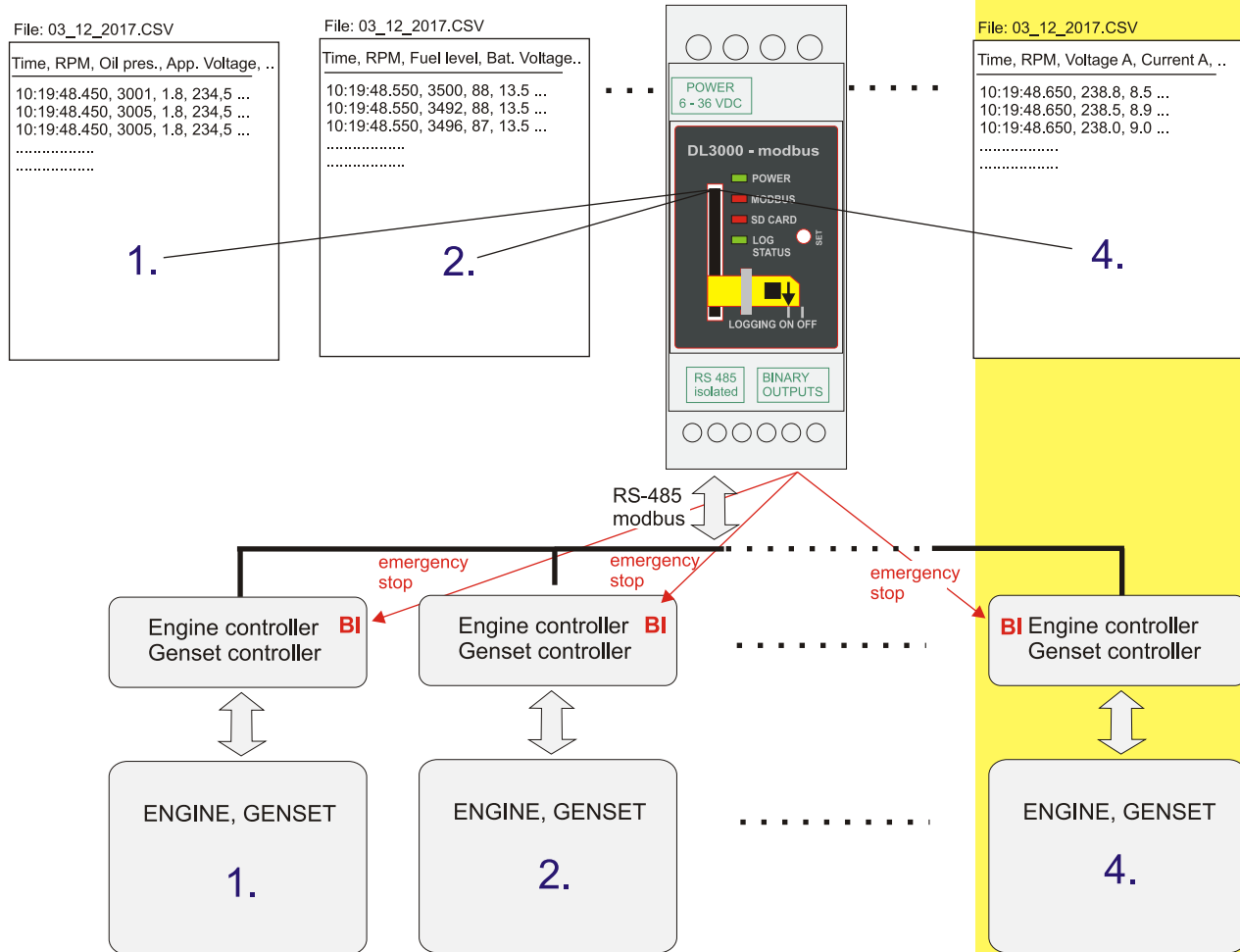**Features:**

- Precise RTC clock for backward analyses in low cost applications without RTC
- Whole life history log of your application for easy warranty claims in the case of application failure
- Window protections (both low and high level) for any logged value with corresponding binary output setting action
- FAT32 SD card format provides folders, files data structure immediately visible in any PC OS (Windows, Linux, ..) or mobile phone (Android, iOS) with common micro USB cabel
- No other HW tool for device setting, after connection with cabel the device acts as the external hard drive (mass storage device), configuration file is edited on the disk
- Robust automotive design - developed to be compatible with VW 80 000, VW 801 01 standards
- Data logging from up to 4 modbus slave devices
- Working with all common commercial SD cards witch capacity up to 32 GB (SD, SDHC)
- New FW automatic re-flashing function

File: 03_12_2017.CSV

Time, RPM, Oil pres., App. Voltage, ..

10:19:48.450, 3001, 1.8, 234,5 ...
10:19:48.450, 3005, 1.8, 234,5 ...
10:19:48.450, 3005, 1.8, 234,5 ...
....
....

1.

File: 03_12_2017.CSV

Time, RPM, Fuel level, Bat. Voltage..

10:19:48.550, 3500, 88, 13.5 ...
10:19:48.550, 3492, 88, 13.5 ...
10:19:48.550, 3496, 87, 13.5 ...
....
....

2.

POWER
6 - 36 VDC

DL3000 - modbus

- POWER
- MODBUS
- SD CARD
- LOG STATUS
- SET

LOGGING ON OFF

RS 485 isolated | BINARY OUTPUTS

File: 03_12_2017.CSV

Time, RPM, Voltage A, Current A, ..

10:19:48.650, 238.8, 8.5 ...
10:19:48.650, 238.5, 8.9 ...
10:19:48.650, 238.0, 9.0 ...
....
....

4.

RS-485 modbus

emergency stop | emergency stop | emergency stop

Engine controller Genset controller **BI**

Engine controller Genset controller **BI**

BI Engine controller Genset controller

ENGINE, GENSET

1.

ENGINE, GENSET

2.

ENGINE, GENSET

4.

Technical data:

- **Nominal power supply: 12, 24 VDC**

- **Power supply range: 6 – 36 VDC (voltage under 8 V is indicated by flashing of power LED)**

- **Temperature range: - 40 – 85 °C**

- **RS-485 modbus interface: galvanically separated, 2 kV isolation**

- **BO1, BO2, BO3, BO4 – open collectors, maximal sink current: 1 A, maximal switching voltage: 36 VDC**

- **Dimensions: 90 x 65 x 35 mm**

- **Weight: 660 g**

- **Protection level: IP65**