

DCGuard Software Change Note ADFIF102

Application: ADFIF102
Application Name: DCGuard application
Manual: DPD01971

Update Note 1: This application parameters are not kept backwards compatible if new features or improvements would be difficult to implement by doing so. Read this change note and chapter "Compatibility issues in parameters between versions" from manual before updating the application.

Update Note 2: It's recommended to use compare function for parameter changes when updating application, especially in cases when version number change is considerably high. Application is constantly developed; this includes changing parameter default values, and if parameters are directly downloaded to drive improved default values may be lost.

ADFIF102V054

Replaced Application:	ADFIF102V053
Used Firmware version:	NXP5.01
System Software requirement:	NXP00002V203
Released to field:	-
Used in production:	-
Changes in new application:	

- Added In Current to datalogger default signals.

ADFIF102V053

Replaced Application: ADFIF102V051
Used Firmware version: NXP5.01
System Software requirement: NXP00002V203
Released to field: -
Used in production: -
Changes in new application:

- Firmware interface update to 5.01
 - Minimum System software requirement V203
- Added P2.5.9.4 DCLinkMeasCalib ID549

ADFIF102V052

Replaced Application:	ADFIF102V051
Used Firmware version:	NXP4.97
System Software requirement:	NXP00002V201
Released to field:	-
Used in production:	-
Changes in new application:	

- F89 SW Over Voltage fault will be disabled if power unit status is not OK.
 - Also, possible to disable by setting value to zero.

ADFIF102V051

Replaced Application: ADFIF102V050
Used Firmware version: NXP4.97
System Software requirement: NXP00002V201
Released to field: -
Used in production: -
Changes in new application:

- Same fault number with Quick Stop and U Phase current F63, Quick Stop changed to F75

ADFIF102V050

Replaced Application: ADFIF102V049
Used Firmware version: NXP4.97
System Software requirement: NXP00002V201
Released to field: -
Used in production: -
Changes in new application:

- Earth fault was indicated by a warning in all phases in some cases. Changed that F3 earth fault indication is also given in this situation.

ADFIF102V049

Replaced Application: ADFIF102V048
Used Firmware version: NXP4.97
System Software requirement: NXP00002V201
Released to field: -
Used in production: -
Changes in new application:

- Added two Klixon inputs F90 Klixon
 - P2.2.2.22 Klixon In 1 ID780
 - P2.2.2.23 Klixon In 2 ID781
 - P2.8.1.7 Klixon Response ID782
- Added input switch monitoring F55 Input Switch
 - P2.2.2.24 Input Switch ID1209
 - P2.8.1.9 Input Switch Respond ID785
- Added Ambien temperature monitoring. F91 Ambien Temp
 - P2.2.2.25 Ambien Temp ID783
 - P2.8.1.8 Ambien Temp Respond ID784
- Added P2.4.1.2 Input Inversion ID1091
 - B04 = +16 = INV Klixon input 1
 - B05 = +32 = INV Klixon input 2
 - B06 = +64 = INV High Ambient temperature
 - B07 = +128 = INV Input Switch

ADFIF102V048

Replaced Application: ADFIF102V047
Used Firmware version: NXP4.97
System Software requirement: NXP00002V201
Released to field: -
Used in production: -
Changes in new application:

- On keypad G2.5.9 Identification changed to Calibration.
- Added P2.8.1.4 FaultWarnIndicat
 - Static, Pulse, Marine
- Added OPT-BH support for two boards.
 - G2.8.9 TempSensor
 - V1.4 Temperature BH
- Added Cooling Monitoring.
 - P2.2.2.20 Cooling Monitor
 - G2.8.10 Cooling Monitoring
- Run Enable 2 P2.2.2.4 did not make W62, fixed.
- Added response indication for Run Enable missing.
 - P2.8.1.5 Run Enable Indication.
- Added Quick Stop function
 - Digital input P2.2.2.21 Quick Stop
 - Response Indication P2.8.1.6 Quick Stop Indication.
- Added External fault response parameters
 - G2.8.11 External Fault

ADFIF102V047

Replaced Application: ADFIF102V046
Used Firmware version: NXP4.97
System Software requirement: NXP00002V201
Released to field: -
Used in production: -
Changes in new application:

- Added P3.5-7 MM ID1-3, to select multimonitor items with ID numbers.
- G2.8.8 Earth fault group added
 - Response parameter added
 - Added warning limit

ADFIF102V046

Replaced Application: ADFIF102V043
Used Firmware version: NXP4.91
System Software requirement: NXP00002V197
Released to field: -
Used in production: -
Changes in new application:

- P2.8.5/6/7.1 U/V/W HighCurrRespon
 - Selection 2: Was not giving warning indication when phase in question was stopped. Added Warning indication when phase is stopped.
 - Possible to disable warning indication with Control Options B0
 - Selection 1 was not giving warning indication. Added warning indication.
 - Possible to disable warning indication with Control Options B0
 - Added selection 3: Fault.

ADFIF102V043

Replaced Application: ADFIF102V041
Used Firmware version: NXP4.91
System Software requirement: NXP00002V197
Released to field: -
Used in production: -
Changes in new application:

- Added ID CONTROL functions
 - from ADFIF101 V079
- Added Analogue Input 1-4
 - from ADFIF101 V079

ADFIF102V042

Replaced Application: ADFIF102V041
Used Firmware version: NXP4.91
System Software requirement: NXP00002V197
Released to field: -
Used in production: -
Changes in new application:

- Parameter automatic backup function to keypad disabled.
- Monitoring signal “DCG ControlState” ID1870 is changed to read only type variable.

ADFIF102V041

Replaced Application: ADFIF102V040
Used Firmware version: NXP4.87
System Software requirement: NXP00002V194
Released to field: -
Used in production: -
Changes in new application:

- Added start delay and start signal 2
- Added start/stop logics 1 (Rpuls-No act) and 2 (Rpuls-Rpuls)

ADFIF102V040

Replaced Application: ADFIF102V039
Used Firmware version: NXP4.87
System Software requirement: NXP00002V194
Released to field: -
Used in production: -
Changes in new application:

- Default voltage rise time increased to 550 ms.

ADFIF102V039

Replaced Application: ADFIF102V036
Used Firmware version: NXP4.87
System Software requirement: NXP00002V194
Released to field: -
Used in production: -
Changes in new application:

- Ground Current fault level default increased to 150,0 %.
- Internal Run Enable disabled until power unit is ready.
- Added P2.5.6 Restart delay, default 1000 ms.

ADFIF102V036

Replaced Application: ADFIF102V034
Used Firmware version: NXP4.87
System Software requirement: NXP00002V194
Released to field: -
Used in production: -
Changes in new application:

- Ground Current fault level default increased to 150,0 %.

ADFIF102V035

Replaced Application: ADFIF102V034
Used Firmware version: NXP4.87
System Software requirement: NXP00002V194
Released to field: -
Used in production: -
Changes in new application:

- Added response parameter for software over current trips.

ADFIF102V034

Replaced Application: ADFIF102V033
Used Firmware version: NXP4.87
System Software requirement: NXP00002V194
Released to field: -
Used in production: 22.8.2018
Changes in new application:

- Over Load function was counting only to 1000 before giving a trip, fixed to 10000.

ADFIF102V033

Replaced Application: ADFIF102V032
Used Firmware version: NXP4.87
System Software requirement: NXP00002V194
Released to field: -
Used in production: -
Changes in new application:

- Added FB Process Data Inputs 1-8.
- Limit setting parameter group moved back to correct place.

ADFIF102V032

Replaced Application: ADFIF102V029
Used Firmware version: NXP4.87
System Software requirement: NXP00002V194
Released to field: -
Used in production: -
Changes in new application:

- Added digital output Warning
- Added analogue output 2 and 3
 - Output power 150 %
 - DC Voltage 1500 Vac
- Added fieldbus profile DCGuard 1
 - Rising edge start and stop.

ADFIF102V029

Replaced Application: ADFIF102V025
Used Firmware version: NXP4.87
System Software requirement: NXP00002V194
Released to field: 2017.6.21
Used in production: -
Changes in new application:

- Added Run Enable 2 digital input
- Added Forced Control place commands
 - DI Keypad
 - DI I/O Terminal
 - DI Fieldbus
- Added parameter for current level when Switch Lock is active.
- Added analogue output function DC-Link Current.
- Parameter to enable keypad control when in IO or fieldbus control.
- Added Last Active Fault
- Added Last Active Warning
- Added Fault Word 1

ADFIF102V025

Replaced Application: ADFIF102V000
Used Firmware version: NXP4.87
System Software requirement: NXP00002V194
Released to field: 2017.6.21
Used in production: -
Changes in new application:

- Added DataLoggereTrigWord
 - Default trig fault or warning.