

NCAN-01 to NCAN-02

Upgrade of parameters

Upgrade of the fieldbus adapter NCAN-01 to NCAN-02

The adapter NCAN-01 is obsolete and can't more be delivered.

The following table shows which NCAN-01 parameters are be transferred for NCAN-02.

Please note: the fieldbus group is depending on the connected drive; mostly group 51, but e.g. the fieldbus group of DCS500 is group 40.

NCAN-01					NCAN-02			
Par. index	Para. name	Alternative settings			Par. index	Para. name	Alternative settings	
1	ModuleType	NCAN-01 V1.x			1	ModuleType	NCAN-02 Vx.x	
2	WD MODE	(0) FAULT (1) AUTO RESET		==>	2	WD MODE	(0) FAULT (1) AUTO RESET	
3	NODE ID	1 .. 127		==>	3	NODE ID (see *1)	1 .. 127	
4	BAUD RATE	(0) 1 Mbit/s (1) 500 kbit/s (2) 250 kbit/s (3) 125 kbit/s (4) 100 kbit/s (5) 50 kbit/s (6) 20 kbit/s (7) 10 kbit/s		==>	4	BAUD RATE (see *1)	(0) 1 Mbit/s (1) 500 kbit/s (2) 250 kbit/s (3) 125 kbit/s (4) 100 kbit/s (5) 50 kbit/s (6) 20 kbit/s (7) 10 kbit/s	
5	COMM PROFILE	(0) CSA 2.8/3.0 (1) ABB DRIVES (2) TRANSPARENT		==>	5	COMM PROFILE	(0) CSA 2.8/3.0 (1) ABB DRIVES (2) TRANSPARENT	
6	CUT-OFF TIMEOUT	0 .. 255		==>	6	CUT-OFF TIMEOUT	0 .. 255	
7	STATUS	(0) SELF TEST (1) RX Q OVERRUN (2) CAN OVERRUN (3) BUS OFF (4) ERRORSET (5) ERROR RESET (6) TX Q OVERRUN (7) DISCONNECTED (8) STARTED (9) STOPPED (10) G FAILS (11) PRE-OPERAT. (12) RESET COMM. (13) RESET NODE		==>	7	STATUS	(0) SELF TEST (1) RX Q OVERRUN (2) CAN OVERRUN (3) BUS OFF (4) ERRORSET (5) ERROR RESET (6) TX Q OVERRUN (7) DISCONNECTED (8) STARTED (9) STOPPED (10) G FAILS (11) PRE-OPERAT. (12) RESET COMM. (13) RESET NODE	
				new	8	DATA SET INDEX	(0) FBA D SET 1 (1) FBA D SET 10	
				new	9	NO. OF DATA SETS	1 .. 4	

*1 **Note:** If DIP switches are enabled (SW1:8 is ON), this parameter is read-only.
See Chapter 4 of [NCAN-02 CANopen Adapter Inst/Start-up Guide](#)

The new parameters are:

x.07 DATA SET OFFSET

This parameter selects the number of the first data set to be used for fieldbus communication. By default, the value of this parameter is FBA D SET 1, denoting that data sets from no. 1 onwards are used for communication with the drive. However, some drives reserve these data sets for other use, and thus it may be necessary to use other data sets. Setting this parameter to the value of FBA D SET 10 makes data set 10 the first data set to be used for the communication between the NCAN-02 and the drive.

E.g.: DCS400 and DCS500(B) are working with $x.07 = 0$ (FBA D SET 1)

x.08 NO. OF DATA SETS

This parameter defines the number of data sets and activated PDOs sent in each direction. The correct number will be found, if the max. used data words are known.

E.g.: DCS400 and DCS500(B) are able to use max. 6 data words, means 2 data sets.