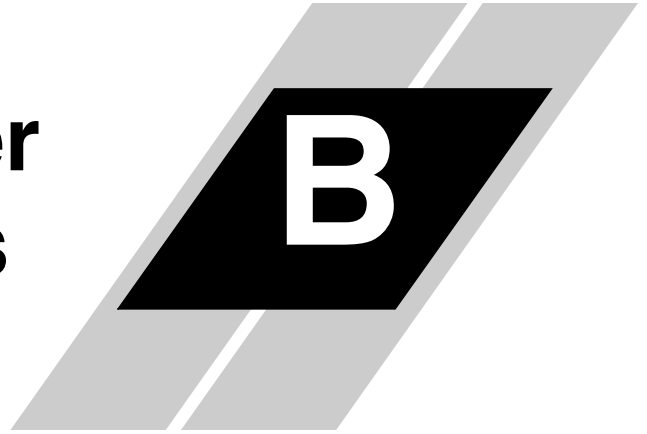


Drive Parameter Settings Tables



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Introduction

This appendix lists the user-programmable parameters for the L100 series inverters and the default values for European and U.S. product types. The right-most column of the tables is blank, so you can record values you have changed from the default. This involves just a few parameters for most applications. This appendix presents the parameters in a format oriented toward the keypad on the inverter.

Parameter Settings for Keypad Entry

L100 series inverters provide many functions and parameters that can be configured by the user. We recommend that you record all parameters that have been edited, in order to help in troubleshooting or recovery from a loss of parameter data.

Inverter model L100

MFG. No.

} This information is printed on the specification label located on the right side of the inverter.

Main Profile Parameters

"F" Group Parameters		Default Setting			User Setting
Func. Code	Name	-FE (Europe)	-FU (USA)	-FR (Japan)	
F_01	Output frequency setting	0.0	0.0	0.0	
F_02	Acceleration (1)	10.0	10.0	10.0	
F_03	Deceleration (1)	10.0	10.0	10.0	
F_04	Keypad Run key routing	00	00	00	

Standard Functions

“A” Group Parameters		Default Setting			User Setting
Func. Code	Name	-FE (Europe)	-FU (USA)	-FR (Japan)	
A_01	Frequency source setting	01	01	00	
A_02	Run command source setting	01	01	02	
A_03	Base frequency setting	50.0	60.0	60.0	
A_04	Maximum frequency setting	50.0	60.0	60.0	
A_11	O-L input active range start frequency	0	0	0	
A_12	O-L input active range end frequency	0	0	0	
A_13	O-L input active range start voltage	0	0	0	
A_14	O-L input active range end voltage	100	100	100	
A_15	O-L input start frequency enable	01	01	01	
A_16	External frequency filter time constant	8	8	8	
A_20	Multi-speed 0 setting	0	0	0	
A_21	Multi-speed 1 setting	0	0	5	
A_22	Multi-speed 2 setting	0	0	10	
A_23	Multi-speed 3 setting	0	0	15	
A_24	Multi-speed 4 setting	0	0	20	
A_25	Multi-speed 5 setting	0	0	30	
A_26	Multi-speed 6 setting	0	0	40	
A_27	Multi-speed 7 setting	0	0	50	
A_28	Multi-speed 8 setting	0	0	60	
A_29	Multi-speed 9 setting	0	0	0	
A_30	Multi-speed 10 setting	0	0	0	
A_31	Multi-speed 11 setting	0	0	0	
A_32	Multi-speed 12 setting	0	0	0	
A_33	Multi-speed 13 setting	0	0	0	
A_34	Multi-speed 14 setting	0	0	0	
A_35	Multi-speed 15 setting	0	0	0	
A_38	Jog frequency setting	1.0	1.0	1.0	

“A” Group Parameters		Default Setting			User Setting
Func. Code	Name	-FE (Europe)	-FU (USA)	-FR (Japan)	
A_39	Jog stop mode	00	00	00	
A_41	Torque boost method selection	00	00	00	
A_42	Manual torque boost value	11	11	11	
A_43	Manual torque boost frequency adjustment	10.0	10.0	10.0	
A_44	V/f characteristic curve selection	00	00	00	
A_45	V/f gain setting	100	100	100	
A_51	DC braking enable	00	00	00	
A_52	DC braking frequency setting	0.5	0.5	0.5	
A_53	DC braking wait time	0.0	0.0	0.0	
A_54	DC braking force during deceleration	0	0	0	
A_55	DC braking time during deceleration	0.0	0.0	0.0	
A_61	Frequency upper limit setting	0.0	0.0	0.0	
A_62	Frequency lower limit setting	0.0	0.0	0.0	
A_63, A_65, A_67	Jump (center) frequency setting	0.0	0.0	0.0	
A_64, A_66, A_68	Jump (hysteresis) frequency width setting	0.5	0.5	0.5	
A_71	PID Enable	00	00	00	
A_72	PID proportional gain	1.0	1.0	1.0	
A_73	PID integral time constant	1.0	1.0	1.0	
A_74	PID derivative gain	0.0	0.0	0.0	
A_75	PV scale conversion	1.00	1.00	1.00	
A_76	PV source setting	00	00	00	
A_81	AVR function select	02	00	02	
A_82	AVR voltage select	230/400	230/460	200/400	
A_92	Second acceleration time setting	15.0	15.0	15.0	
A_93	Second deceleration time setting	15.0	15.0	15.0	
A_94	Select method to switch to second accel/decel profile	00	00	00	

“A” Group Parameters		Default Setting			User Setting
Func. Code	Name	-FE (Europe)	-FU (USA)	-FR (Japan)	
A_95	Acc1 to Acc2 frequency transition point	0.0	0.0	0.0	
A_96	Dec1 to Dec2 frequency transition point	0.0	0.0	0.0	
A_97	Acceleration curve selection	00	00	00	
A_98	Deceleration curve selection	00	00	00	

Fine Tuning Functions

“B” Group Parameters		Default Setting			User Setting
Func. Code	Name	-FE (Europe)	-FU (USA)	-FR (Japan)	
B_01	Selection of automatic restart mode	00	00	00	
B_02	Allowable under-voltage power failure time	1.0	1.0	1.0	
B_03	Retry wait time before motor restart	1.0	1.0	1.0	
B_12	Level of electronic thermal setting	Rated current for each inverter	Rated current for each inverter	Rated current for each inverter	
B_13	Electronic thermal characteristic	01	01	00	
B_21	Overload restriction operation mode	01	01	01	
B_22	Overload restriction setting	Rated current x 1.25	Rated current x 1.25	Rated current x 1.25	
B_23	Deceleration rate at overload restriction	1.0	1.0	1.0	
B_31	Software lock mode selection	01	01	01	
B_32	Reactive current setting	Rated current x 0.58	Rated current x 0.58	Rated current x 0.58	
B_81	[FM] terminal analog meter adjustment	80	80	80	
B_82	Start frequency adjustment	0.5	0.5	0.5	
B_83	Carrier frequency setting	5.0	5.0	12.0	
B_84	Initialization mode (parameters or trip history)	00	00	00	
B_85	Country code for initialization	01	02	00	
B_86	Frequency scaling conversion factor	1.0	1.0	1.0	
B_87	STOP key enable	00	00	00	
B_88	Restart mode after FRS	00	00	00	
B_89	Data select for digital op. OPE-J	01	01	01	

Intelligent Terminal Functions

“C” Group Parameters		Default Setting			User Setting
Func. Code	Name	-FE (Europe)	-FU (USA)	-FR (Japan)	
C_01	Terminal [1] function	00	00	00	
C_02	Terminal [2] function	01	01	01	
C_03	Terminal [3] function	02	16	02	
C_04	Terminal [4] function	03	13	03	
C_05	Terminal [5] function	18	18	18	
C_11	Terminal [1] active state	00	00	00	
C_12	Terminal [2] active state	00	00	00	
C_13	Terminal [3] active state	00	00	00	
C_14	Terminal [4] active state	00	01	00	
C_15	Terminal [5] active state	00	00	00	
C_21	Terminal [11] function	01	01	01	
C_22	Terminal [12] function	00	00	00	
C_23	[FM] signal selection	00	00	00	
C_31	Terminal [11] active state (-FU)	—	00	—	
	Reserved (-FE / FR)	00	—	00	
C_32	Terminal [12] active state (-FU)	—	00	—	
	Terminal [11] active state (-FE / FR)	00	—	00	
C_33	Alarm relay terminal active state	01	01	01	
C_41	Overload level setting	Inverter rated current	Inverter rated current	Inverter rated current	
C_42	Frequency arrival setting for accel	0.0	0.0	0.0	
C_43	Arrival frequency setting for decel	0.0	0.0	0.0	
C_44	PID deviation level setting	3.0	3.0	3.0	
C_91	Debug mode enable	00	00	00	Do not edit

