

Extended Function Mode

Extended function mode of group A

Parameter Display	Function	Factory Set Value	Set Value
A01	Frequency source setting 00—Door pot, 01—Terminal, 02—Keypad	01	
A02	Run command source setting 01—Terminal, 02—Keypad	01	
A03	Base frequency setting	60.0	
A04	Maximum frequency setting	60.0	
A11	External frequency setting start point	0	
A12	External frequency setting end point	0	
A13	External frequency setting start point bias	0%	
A14	External frequency setting end point bias	100%	
A15	External frequency start pattern setting 00—Per A11-A14, 01—0 Hz	01	
A16	Time constant of the filter for analog inputs	8	
A20- A35	Multispeed frequency setting	All are 0.0Hz	
A38	Jog frequency setting	1.0	
A39	Jog stop mode 00—Freerun, 01—Decel, 02—DC brake	00	
A41	Torque boost selection method 00—Manual, 01—Automatic	00	
A42	Value of manual torque boost setting	11	
A43	Manual torque boost frequency adjustment	10.0%	
A44	V/F characteristic setting 00—Constant torque 01—Variable torque	00	
A45	V-Gain setting	100%	
A51	Selection of DC braking operation 00—NO, 01—YES	00	
A52	DC braking frequency setting	0.5	
A53	DC braking waiting time setting	0.0	

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Extended function mode of group A (continued)

Parameter Display	Function	Factory Set Value	Set Value
A54	DC braking force setting	0	
A55	DC braking time setting	0.0	
A61	Frequency upper limit setting	0.0	
A62	Frequency lower limit setting	0.0	
A63, A65, A67	Jump frequency setting	0.0	
A64, A66, A68	Jump frequency width setting	0.5	
A71	Selection of PID control 00—NO, 01—YES	00	
A72	P (proportional) gain setting	1.0	
A73	I (integral) gain setting	1.0	
A74	D (differential) gain setting	0.0	
A75	Scale conversion of PID control setting	1.00	
A76	Feedback signal location setting 00—Current, 01—Voltage	00	
A81	Selection of AVR function	02	
A82	Selection of voltage of AVR function for the motor	230/460	
A92	Second acceleration time setting	15.0	
A93	Second deceleration time setting	15.0	
A94	Selection of Method to enable second acceleration/deceleration (acc2/dec2)	00	
A95	Changed frequency from acc1 to acc2 setting	0.0	
A96	Changed frequency from dec1 to dec2 setting	0.0	
A97	Pattern of acceleration setting 00—Linear, 01—S-curve	00	
A98	Pattern of deceleration setting 00—Linear, 01—S-curve	00	

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Extended function mode of group B

Parameter Display	Function	Factory Set Value	Set Value
b01	Selection of restart mode 00—Alarm, 01—0.0Hz restart, 02—Motor speed match restart, 03—Motor speed match restart decel to stop	00	
b02	Allowable undervoltage power failure time setting	1.0	
b03	Retry waiting time	1.0	
b12	Level of electronic thermal setting	Rated current of inverter	
b13	Selection of electronic thermal characteristic 00—Reduced torque, 01—Constant torque	01	
b21	Selection of overload limit operation mode— 00—NO, 01—Accel & constant speed, 02—Constant speed	01	
b22	Level of overload limit setting	Rated current times 1.5 per inverter	
b23	Rate of deceleration at overload restriction	1.0	
b31	Selection of software lock mode 00—Terminal, no change, 01—Terminal, frequency change, 02—Keypad, no change 03—Keypad, frequency change	01	
b81	Analog meter adjustment	80	
b82	Start frequency adjustment	0.5	
b83	Carrier frequency setting (kHz)	5.0	
b84	Selection data initialization or clear of trip history	00	
b85	Selection of initialized data	02	
b86	Frequency converted value setting	1.0	

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Extended function mode of group B (continued)

Parameter Display	Function	Factory Set Value	Set Value
b87	STOP key ON/OFF in terminal mode 00—YES, 01—NO	00	
b88	Selection of operation when FRS signal is cancelled 00—Restart at 0 Hz 01—Restart at motor speed	00	
b89	Selection of contents of remote display 01—Frequency, 02—Current, 03—Direction, 04—PID feedback, 05—Input terminal status 06—Output terminal status 07—Scaled frequency	01	

Extended function mode of group C

Parameter Display	Function	Factory Set Value	Set Value
C01	Function of input terminal 1 00—Forward, 01—Reverse, 02—Multispeed 1, 03—Multispeed 2, 04—Multispeed 3, 05—Multispeed 4, 06—Jog, 09—2 Stage Accel/Decel, 11—Free run mode, 12—External trip, 13—USP, 15—Software lock, 16—Analog input type, 18—Reset	00	
C02	Function of input terminal 2 (See C01)	01	
C03	Function of input terminal 3 (See C01)	16	
C04	Function of input terminal 4 (See C01)	13	
C05	Function of input terminal 5 (See C01)	18	

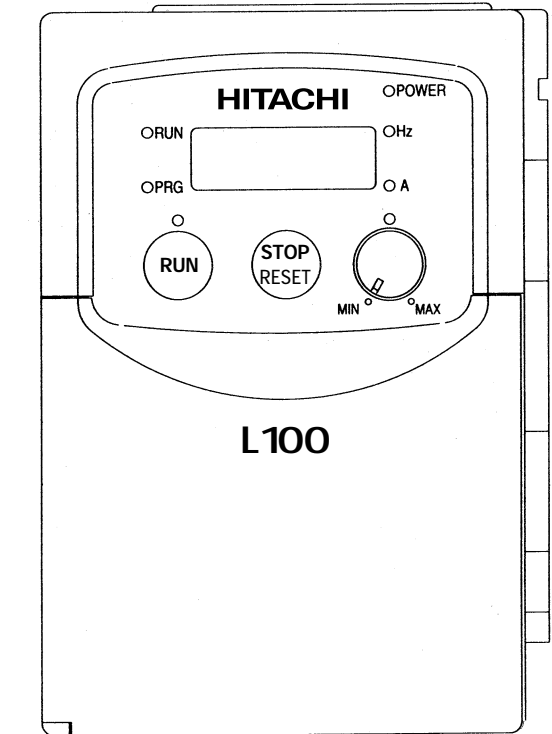
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Extended function mode of group C (continued)

Parameter Display	Function	Factory Set Value	Set Value
C11	Polarity input of terminal 1 00—NO, 01—NC	00	
C12	Polarity input of terminal 2 (See C11)	00	
C13	Polarity input of terminal 3 (See C11)	00	
C14	Polarity input of terminal 4 (See C11)	01	
C15	Polarity input of terminal 5 (See C11)	00	
C21	Function of output terminal 11 00—Run, 01—Frequency constant 02—Frequency at setpoint, 03—Overload, 04—PID deviating, 05—Alarm	01	
C22	Function of output terminal 12 (See C11)	00	
C23	Function of FM terminal 00—Analog frequency 01—Analog current 02—Digital frequency	00	
C31	Polarity of terminal 11 00—NO, 01—NC	00	
C32	Polarity of terminal 12 00—NO, 01—NC	00	
C33	Polarity of terminal AL 00—NO, 01—NC	01	
C41	Level of overload signal setting	Rated current of inverter	
C42	Arrival frequency setting for acceleration	0.0	
C43	Arrival frequency setting for deceleration	0.0	
C44	Level of PID deviation signal setting	3.0	
C91	Debug mode display selection DO NOT CHANGE!	00	

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