

Func. Code	Name / Description	Default Value -FE(F)/-FU	Set Value
B095	Dynamic braking control • 00 Disable • 01 Enable during RUN only • 02 Enable always	00	
B096	Dynamic braking activation level	360 / 720	
B130	Over-voltage LADSTOP enable • 00 Disable • 01 Enable	00	
B131	Over-voltage LADSTOP level	380 / 760	
B140	Over-current trip suppression • 00 Disable • 01 Enable	00	
B150	Carrier mode • 00 Disable • 01 Enable	00	
B151	Quick-start enable • 00 Disable • 01 Enable	00	

“C” Group: Intelligent Terminal Functions

Func. Code	Name / Description	Default Value -FE(F)/-FU	Set Value
C001/ C201	Terminal [1] function	Twenty-four option codes available (see page 28)	00
C002/ C202	Terminal [2] function		01
C003/ C203	Terminal [3] function		02 / 16
C004/ C204	Terminal [4] function		03 / 13
C005/ C205	Terminal [5] function		18 / 09
C006/ C206	Terminal [6] function		09 / 18

Func. Code	Name / Description		Default Value -FE(F)/-FU	Set Value
C011	Terminal [1] active state	<ul style="list-style-type: none"> • 00 Normally open [NO] • 01 Normally closed [NC] 	00	
C012	Terminal [2] active state		00	
C013	Terminal [3] active state		00	
C014	Terminal [4] active state		00 / 01	
C015	Terminal [5] active state		00	
C016	Terminal [6] active state		00	
C021	Terminal [11] function	Ten option codes available (see page 29)	01	
C022	Terminal [12] function		00	
C026	Alarm relay terminal function		05	
C028	[AM] signal selection	Two option codes available (see page 30)	00	
C031	Terminal [11] active state	<ul style="list-style-type: none"> • 00 Normally open (NO) • 01 Normally closed (NC) 	00	
C032	Terminal [12] active state		00	
C036	Alarm relay terminal active state		01	
C041	Overload level setting		Rated current of inverter	
C042	Frequency arrival setting for accel		0.0	
C043	Arrival frequency setting for decel		0.0	
C044	PID deviation level setting		3.0	
C052	PID FBV function high limit		100.0	
C053	PID FBV function variable low limit		0.0	
C071	Communication speed selection <ul style="list-style-type: none"> • 04 4800 bps • 05 9600 bps • 06 19200 bps 		06 / 04	
C072	Node allocation		1.	
C074	Communication parity selection <ul style="list-style-type: none"> • 00 No parity • 01 Even parity • 02 Odd parity 		00	
C075	Communication stop bit selection		1	

Func. Code	Name / Description	Default Value -FE(F)/-FU	Set Value
C076	Communication error select • 00 Trip (error code E60) • 01 Decelerate to stop and trip (error code E60) • 02 Disable • 03 Free run stop (coasting) • 04 Decelerate to a stop	02	
C077	Communication error time-out	0.00	
C078	Communication wait time	0.	
C081	O input span calibration	100.0	
C082	OI input span calibration	100.0	
C085	Thermistor input tuning	100.0	
C086	[AM] terminal offset tuning	0.0	
C091	Debug mode enable • 00 Display • 01 No display	00	
C101	Up/Down memory mode selection • 00 Clear last frequency (return to default frequency F001) • 01 Keep last frequency adjusted by UP/DWN	00	
C102	Reset selection • 00 Cancel trip state at input signal ON transition, stops inverter if in Run Mode • 01 Cancel trip state at signal OFF transition, stops inverter if in Run Mode • 02 Cancel trip state at input signal ON transition, no effect if in Run Mode	00	
C141	Input A select for logic output	00 Nine option codes available (LOG excluded), see page 29	
C142	Input B select for logic output		01
C143	Logic function select • 00 [LOG] = A AND B • 01 [LOG] = A OR B • 02 [LOG] = A XOR B	00	
C144	Terminal [11] ON delay	0.0	
C145	Terminal [11] OFF delay	0.0	
C146	Terminal [12] ON delay	0.0	
C147	Terminal [12] OFF delay	0.0	
C148	Output relay ON delay	0.0	
C149	Output relay OFF delay	0.0	

“H” Group: Motor Constants Functions

Func. Code	Name / Description	Default Value -FE(F)/-FU	Set Value
H003/ H203	Motor capacity	Factory set	
H004/ H204	Motor poles setting <ul style="list-style-type: none"> • 2 poles • 4 poles • 6 poles • 8 poles 	4	
H006/ H206	Motor stabilization constant	100	
H007/ H207	Motor voltage select	Factory set	

“P” Group: Expansion Card Functions

Func. Code	Name / Description	Default Value -FE(F)/-FU	Set Value
P044	Network comm watchdog timer	1.00	
P045	Inverter action on network comm error <ul style="list-style-type: none"> • Trip (Error E70) • Decel, stop, and trip • Hold last speed • Free run stop • Decelerate and stop 	01	
P046	Polled I/O output instance number <ul style="list-style-type: none"> • 20 • 21 • 100 	21	
P047	Polled I/O input instance number <ul style="list-style-type: none"> • 70 • 71 • 101 	71	
P048	Inverter action on network idle mode <ul style="list-style-type: none"> • Trip (Error E70) • Decel, stop, and trip • Hold last speed • Free run stop • Decelerate and stop 	01	
P049	Network motor poles setting for RMP	0	



Note: The “P” Group parameters do not appear in the parameter list shown on the keypad display unless the expansion card is installed on the inverter.

Intelligent Input Terminal Listing

Symbol	Code	Input Terminal Name
FW	00	Forward Run/Stop
RV	01	Reverse Run/Stop
CF1	02	Multi-speed select, Bit 0 (LSB)
CF2	03	Multi-speed select, Bit 1
CF3	04	Multi-speed select, Bit 2
CF4	05	Multi-speed select, Bit 3 (LSB)
JG	06	Jogging
DB	07	External DC braking
SET	08	Set (select) second motor data
2CH	09	2-stage accel and decel
FRS	11	Free-run stop
EXT	12	External trip
USP	13	Unattended start protection
SFT	15	Software lock
AT	16	Analog input voltage/current sel.
RS	18	Reset inverter
PTC	19	PTC thermistor thermal protection
STA	20	Start (3-wire interface)
STP	21	Stop (3-wire interface)
F/R	22	FWD, REV (3-wire interface)
PID	23	PID disable
PIDC	24	PID Reset
UP	27	Remote control Up func.
DWN	28	Remote control Down func.
UDC	29	Remote control data clearing
OPE	31	Operator control
ADD	50	Add frequency enable
F-TM	51	Force Terminal Mode
RDY	52	Quick Start Enable
S-ST	53	Special-Set (select) 2nd motor data
—	255	Not selected

Intelligent Output Terminal Listing

Symbol	Code	Input Terminal Name
RUN	00	Run signal
FA1	01	Freq. arrival type 1 – constant speed
FA2	02	Freq. arrival type 2 – over-frequency
OL	03	Overload advance notice signal
OD	04	Output deviation for PID control
AL	05	Alarm signal
Dc	06	Analog input disconnect detect
FBV	07	PID second stage output
NDc	08	Network detection signal
LOG	09	Logic output function
ODc	10	Option card detection signal

Analog Input Configuration

The following table shows the parameter settings and [AT] state required to select various analog input sources.

A005	[AT]	External Frequency Command Input
00	OFF	[O]
	ON	[OI]
01	(ignored)	Sum (O + OI)
02	OFF	[O]
	ON	Keypad potentiometer
03	OFF	[OI]
	ON	Keypad potentiometer

Analog Output Function Listing

The following table shows the functions available for assignment to the analog output terminal via terminal [AM], option set by C028:

Option Code	Function Name	Description	Corresponding Signal Range
00	Analog freq. monitor	Actual motor speed	0 to max. freq. (Hz)
01	Analog current output monitor	Motor current (% of max. rated output current)	0 to 200%

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