

5.1 P0 Group - Basic Function

Function code	Function name	Setting scope	Factory set value	Modification limit	Reference page
Group P0.0 Basic Group					
P0.0.00	Type of Frequency inverter	1. G Type (constant torque load type) 2. P Type (fans and water pump load type)	Machine type	○	80
P0.0.01	Display Mode	0: Basic Mode (Prefix with 'P') 1: User Mode (Prefix with 'U') 2: Verification Mode (Prefix with 'C')	0	☆	
P0.0.02	Control Mode	0: V/F Control 1: Open-loop Vector Control (SVC) 2: Closed-loop Vector Control (Invalid E100)	0	★	81
P0.0.03	Option of operation control mode	0: Keyboard Control 1: Terminal Control 2: Communication Control	0	☆	
P0.0.04	Option of A Frequency Source	0: Keyboard Reference (No Power-off Memory) 1: Keyboard Reference (Power-off Memory) 2: Keyboard Potentiometer Reference 3: External Terminal VF1 Reference 4: External Terminal VF2 Reference 5: PULS Reference (DI6) 6: Multiplex Directive Reference 7: Simple PLC Reference 8: PID Control Reference 9: Communication Reference 10: Operation Result 1 11: Operation Result 2 12: Operation Result 3 13: Operation Result 4	02	★	82
P0.0.05	Keyboard Frequency Reference	000.00~ maximum frequency	050.00	☆	83
P0.0.06	Running Direction	0: Default Direction 1: Negation of Direction 2: Determined by multi-function input terminal	0	☆	84
P0.0.07	Maximum frequency	050.00Hz~320.00Hz	050.00	★	
P0.0.08	Upper frequency	Lower frequency ~ highest frequency	050.00	★	
P0.0.09	Lower frequency	000.00~ Upper frequency	000.00	☆	85
P0.0.10	Lower frequency operation mode	0: Running at lower limit frequency 1: Stop 2: Zero-speed Running	0	☆	
P0.0.11	Acceleration Time	0000.0~6500.0s	Machine type	☆	
P0.0.12	Deceleration Time	0000.0~6500.0s	Machine type	☆	

Function code	Function name	Setting scope	Factory value	set	Modification limit	Reference page
P0.0.13	Type of Motor	0: Common Motor 1: Variable Frequency Motor 2: Synchronous Motor (Valid E100)	0		★	86
P0.0.14	Motor rated power	0000.1kW ~ 1000.0kW	Machine type		★	
P0.0.15	Motor rated frequency	000.01Hz ~ Highest frequency	050.00		★	
P0.0.16	Motor rated voltage	0001V ~ 2000V	Machine type		★	
P0.0.17	Motor rated current	000.01A ~ 655.35A (power inverter < 75kW) 0000.1A ~ 6553.5A (power inverter ≥ 75kW)	Machine		★	
P0.0.18	Motor Rated Rotating Speed	00001rpm ~ 65535rpm	Machine		★	
P0.0.19	Stator resistance of asynchronous motor	00.001 Ω ~ 65.535 Ω (power inverter ≥ 75kW) 0.0001 Ω ~ 6.5535 Ω (power inverter ≥ 75kW)	Machine		★	
P0.0.20	Rotor resistance of asynchronous motor	00.001 Ω ~ 65.535 Ω (power inverter ≥ 75kW) 0.0001 Ω ~ 6.5535 Ω (power inverter ≥ 75kW)	Machine		★	
P0.0.21	Leakage inductance of asynchronous motor	000.01mH ~ 655.35mH (power inverter ≥ 75kW) 00.001mH ~ 65.535mH (power inverter ≥ 75kW)	Machine		★	
P0.0.22	Mutual inductance of asynchronous motor	0000.1mH ~ 6553.5mH (power inverter ≥ 75kW) 000.01mH ~ 655.35mH (power inverter ≥ 75kW)	Machine		★	
P0.0.23	Non-load current of asynchronous motor	000.01A ~ Motor rated current (power inverter ≥ 75kW) 0000.1A ~ Motor rated current (power inverter ≥ 75kW)	Machine		★	87
P0.0.24	Parameter Identification Control	00: No action 01: Static identification 02: Complete identification 11: Synchronous motor on-load identification (Invalid E100) 12: Synchronous motor non-load identification (Invalid E100)	00		★	

Function code	Function name	Setting scope	Factory set value	Modification limit	Reference page
P0.1 Group: Expansion Group					
P0.1.00	Option of Frequency Source	0: Frequency Source A 1: Frequency Source B 2: Frequency Source A+B 3: Frequency Source A-B 4: Max. Value of A & B 5: Min. Value of A & B 6: Standby Frequency Source 1 7: Standby Frequency Source 2 8: Switch of Terminal among the above 8 kinds	0	☆	88
P0.1.01	Option of Frequency Source B	0: Keyboard Reference (No Power-off Memory) 1: Keyboard Reference (Power-off Memory) 2: Keyboard Potentiometer Reference 3: External Terminal VF1 Reference 4: External Terminal VF2 Reference 5: PULS Reference (DI6) 6: Multiplex Directive Reference 7: Simple PLC Reference 8: PID Control Reference 9: Communication Reference 10: Operation Result 1 11: Operation Result 2 12: Operation Result 3 13: Operation Result 4	00	★	89
P0.1.02	Adjustment Volume of Frequency Source B at superposition	000%~150%	100%	☆	
P0.1.03	Upper Limit Frequency Source	0: Digital Reference (P0.0.08) 1: External Terminal VF1 Reference 2: External Terminal VF2 Reference 3: Multiplex Directive Reference 4: PULS Reference (DI6) 5: Communication Reference 6: Operation Result 1 7: Operation Result 2 8: Operation Result 3 9: Operation Result 4	0	★	
P0.1.04	Upper Limit Frequency Offset	000.00~Highest Frequency	000.00	☆	
P0.1.05	Keyboard Reference frequency Shut-down Memory Selection	0: No Memory 1: Memory	0	☆	91
P0.1.06	Keyboard Reference frequency Action Benchmark at running	0: Running Frequency 1: Reference frequency	0	★	
P0.1.07	Benchmark frequency of accelerating and Deceleration time	0: Highest Frequency 1: Reference frequency 2: 100Hz	0	★	92

Function code	Function name	Setting scope	Factory set value	Modification limit	Reference page
P0.1.08	Jogging running frequency	000.00~Highest Frequency	002.00	☆	92
P0.1.09	Jogging Acceleration time	0000.0s~6500.0s	0020.0	☆	
P0.1.10	Jogging Deceleration time	0000.0s~6500.0s	0020.0	☆	
P0.1.11	Acceleration time 2	0000.0s~6500.0s	Machine type	☆	
P0.1.12	Deceleration time 2	0000.0s~6500.0s	Machine type	☆	
P0.1.13	Acceleration time 3	0000.0s~6500.0s	Machine type	☆	
P0.1.14	Deceleration time 3	0000.0s~6500.0s	Machine type	☆	
P0.1.15	Acceleration time 4	0000.0s~6500.0s	Machine type	☆	
P0.1.16	Deceleration time 4	0000.0s~6500.0s	Machine type	☆	93
P0.1.17	Frequency Switch Point between Acceleration time 1 and Acceleration time 2	000.00Hz~Highest Frequency	000.00	☆	
P0.1.18	Frequency Switch Point between Deceleration time 1 and Deceleration time 2	000.00Hz~Highest Frequency	000.00	☆	
P0.1.19	Acceleration and Deceleration Mode	0: Straight Line 1: Curve S 1 2: Curve S 2	0	★	
P0.1.20	Percentage of Starting Phase of Curve S	000.0%~100.0%	030.0	★	94
P0.1.21	Percentage of Ending Phase of Curve S	000.0%~100.0%	030.0	★	
P0.1.22	Hopping Frequency 1	000.00Hz~Highest Frequency	000.00	☆	
P0.1.23	Hopping Frequency 2	000.00Hz~Highest Frequency	000.00	☆	
P0.1.24	Hopping Frequency scope	000.00Hz~Highest Frequency	000.00	☆	
P0.1.25	Jogging Priority	0: Invalid 1: Valid	0	☆	95
P0.1.26	Type of Encoder	0: ABZ Incremental Encoder 1: UVW Incremental Encoder (Invalid E100) 2: Rotary Transformer (Invalid E100) 3~9: Reservation 10: Distance Control (Open Collector)	00	△/★	
P0.1.27	Line Number of Encoder	00001~65535	01024	△/★	
P0.1.28	ABZ phase sequence	0: Forward Direction 1: Reverse Direction	0	△/★	96
P0.1.29	Encoder Disconnection Testing Time	No action 00.1s~10.0s	00.0	△/★	
P0.1.30	Stator Resistance of Synchronous motor	00.001 Ω ~ 65.535 Ω (inverter power<75kW) 0.0001 Ω ~ 6.5535 Ω (inverter power<75kW)	Machine type	▲/★	
P0.1.31	Back EMF of Synchronous motor	0000.0V~6553.5V	Machine type	▲/★	
P0.1.32	UVW Phase Sequence	0: Forward Direction 1: Reverse Direction	Machine type	▲/★	
P0.1.33	UVW Encoder Angle	000.0~359.9	Machine type	▲/★	
P0.1.34	Pole-pairs of Rotary Transformer	00001~65535	Machine type	▲/★	

5.2 Group P1 - Motor Control Parameter

Function code	Function name	Setting scope	Factory set value	Modification limit	Reference page
Sort P1.0: Basic Group					
P1.0.00	V/F Curve Mode	0: Straight Line 1: Multi-point Broken Line 2: Square V/F Curve 1 3: Square V/F Curve 2 4: Square V/F Curve 3	0	★	97
P1.0.01	Torque Boost	00.0% (Automatic Torque Boost) 00.1%~30.0%	04.0	☆	
P1.0.02	Cutoff Frequency of Torque Boost	000.00Hz~Highest Frequency	050.00		
P1.0.03	V/F Slip Compensation Gain	000.0%~200.0%	000.0	☆	98
P1.0.04	Velocity Loop Proportional Gain 1	001~100	030	☆	
P1.0.05	Velocity Circulation Integral Time 1	00.01~10.00	00.50	☆	
P1.0.06	Switching Frequency 1	000.00Hz~P1.0.09	005.00	☆	
P1.0.07	Velocity Loop Proportional Gain 2	001~100	020	☆	
P1.0.08	Velocity Circulation Integral Time 2	00.01~10.00	01.00	☆	
P1.0.09	Switching Frequency 2	P1.0.06~Highest Frequency	010.00	☆	99
P1.0.10	Start Mode	0: Direct Start 1: Speed Tracking Mode 2: Brake and Restart	0	☆	
P1.0.11	Speed Tracking Mode	0: Start from Shutdown Frequency 1: Start from Zero Speed 2: Start from Highest Frequency	0	★	
P1.0.12	Start Frequency	00.00Hz~10.00Hz	00.00	☆	100
P1.0.13	Hold Time of Start Frequency	000.0s~100.0s	000.0	★	
P1.0.14	Starting DC Brake Current	000%~100%	000	★	
P1.0.15	Starting DC Brake Time	000.0s~100.0s	000.0	★	
P1.0.16	Stop Mode	0: Stop by Deceleration 1: Free Stop	0	☆	
P1.0.17	Stop DC Braking Initial Frequency	000.00Hz ~ Highest Frequency	000.00	☆	
P1.0.18	Stop DC Braking Waiting Time	000.0s~100.0s	000.0	☆	
P1.0.19	Stop DC Braking Current	000%~100%	000	☆	
P1.0.20	Stop DC Braking Time	000.0s~100.0s	000.0	☆	101
P1.0.21	Braking Use Rate	000%~100%	100	☆	
P1.0.22	Carrier Frequency	00.5kHz~16.0kHz	06.0	☆	
P1.0.23	Fan Control	0: Rotate at running 1: Continuous Running 2: Control based on Temperature	0	★	102
P1.0.24	Motor Overload Protection	0: Prohibition 1: Curve 1 2: Curve 2 3: Curve 3	1	☆	
P1.0.25	Motor Overload Protection Level	00.20~10.00	01.00	☆	
P1.0.26	Motor Overload Alarm System	050%~100%	080	☆	

Function code	Function name	Setting scope	Factory set value	Modification limit	Reference page
Group P1.1: Extension Group					
P1.1.00	Broken Line V/F Point 1 Frequency	000.00Hz~P1.1.02	000.00	★	103
P1.1.01	Broken Line V/F Point 1 Voltage	000.0%~100.0%	000.0	★	
P1.1.02	Broken Line V/F Point 2 Frequency	P1.1.00~P1.1.04	000.00	★	
P1.1.03	Broken Line V/F Point 2 Voltage	000.0%~100.0%	000.0	★	
P1.1.04	Broken Line V/F Point 3 Frequency	P1.1.02~Motor rated frequency	000.00	★	
P1.1.05	Broken Line V/F Point 3 Voltage	000.0%~100.0%	000.0	★	
P1.1.06	V/F Overexcited Gain	000~200	120	☆	
P1.1.07	Vector Control Torque Upper Frequency	0: Digital Reference (P1.1.08) 1: External Terminal VF1 Reference 2: External Terminal VF2 Reference 3: Multiplex Directive Terminal Reference 4: PULS Reference (DI6) 5: Communication Reference 6: MIN (VF1, VF2) 7: MAX (VF1, VF2) 8: Operation Result 1 9: Operation Result 2 10: Operation Result 3 11: Operation Result 4	00	☆	104
P1.1.08	Torque Upper Limit Reference	000.0%~200.0%	150.0	☆	105
P1.1.09	Inversion Control Enable	0: Allow 1: Prohibit	0	☆	
P1.1.10	Forward and Reverse Dead Time	0000.0s~3000.0s	0000.0	☆	
P1.1.11	Power-on Running Selection	0: Running 1: Not Running	0	☆	106
P1.1.12	Droop Control	00.00Hz~10.00Hz	00.00	☆	
P1.1.13	Speed/Torque Control Mode Selection	0: Speed Control 1: Torque Control	0	★	
P1.1.14	Torque Reference Source	0: Digital Reference (P1.1.15) 1: External Terminal VF1 Reference 2: External Terminal VF2 Reference 3: Multiplex Directive Terminal Reference 4: PULS Reference (DI6) 5: Communication Reference 6: MIN (VF1, VF2) 7: MAX (VF1, VF2) 8: Operation Result 1 9: Operation Result 2 10: Operation Result 3 11: Operation Result 4 12: Standby Torque Source 1 13: Standby Torque Source 2	00	★	106
P1.1.15	Torque Digital Reference	-200.0%~200.0%	150.0	☆	108
P1.1.16	Torque Control FWD Frequency Limit	000.00Hz~Highest Frequency	050.00	☆	
P1.1.17	Torque Control REV Frequency Limit	000.00Hz~Highest Frequency	050.00	☆	
P1.1.18	Torque Acceleration Time	0000.0s~6500.0s	0000.0	☆	
P1.1.19	Torque Deceleration Time	0000.0s~6500.0s	0000.0	☆	

5.3 Group P2 - Input/Output Terminal Function

Function code	Function name	Setting scope	Factory set value	Modification limit	Reference page
Group P2.0: Basic Group					
P2.0.00	DI1 Terminal Function	0: No Function	01	△/★	109
P2.0.01	DI2 Terminal Function	1: Forward (FWD) 2: Reverse (REV) 3: Three-wire Running Control	02	★	
P2.0.02	DI3 Terminal Function	4: Forward Jogging 5: Reverse Jogging	09	★	
P2.0.03	DI4 Terminal Function	6: Terminal UP 7: Terminal DOWN	10	★	
P2.0.04	DI5 Terminal Function	8: Free Stop 9: Multiplex Directive Terminal 1	11	★	
P2.0.05	DI6 Terminal Function	10: Multiplex Directive Terminal 2 11: Multiplex Directive Terminal 3	08	★	
P2.0.06	DI7 Terminal Function	12: Multiplex Directive Terminal 4 13: Fault Reset (RESET)	00	▲/★	
P2.0.07	DI8 Terminal Function	14: Running Pause 15: External Fault Input	00	▲/★	
P2.0.08	DI9 Terminal Function	16: Acceleration & Deceleration Time Selection Terminal 1 17: Acceleration & Deceleration Time Selection Terminal 2	00	▲/★	
P2.0.09	DI2 Terminal Function	18: Frequency Source Selection Terminal 1 19: Frequency Source Selection Terminal 2 20: Frequency Source Selection Terminal 3 21: Running Command Selection Terminal 1 22: Running Command Selection Terminal 2 23: UP/DOWN Reference Reset 24: Prohibition of Acceleration & Deceleration 25: PID Pause 26: PLC State Reset 27: Wobbling Pause 28: Counter Input 29: Counter Reset 30: Length Counting Input 31: Length Reset 32: Torque Control Prohibition 33: PULS Impulse Input 34: Immediate DC Brake 35: External Fault Normally-closed Input 36: Frequency Modification Enable 37: PID Action Direction Negation 38: External Stop Terminal 1 39: External Stop Terminal 2 40: PID Integral Stop 41: PID Parameter Switch 42: Speed Control/Torque Control Switch 43: Emergency Stop 44: Deceleration DC Brake 45: User-Defined Fault 1 46: User-Defined Fault 2 47: Running Time Reset 48: Timer Input Terminal 1 49: Timer Input Terminal 2 50: Timer Reset Terminal 1 51: Timer Reset Terminal 2 52: Encoder Phase A Input 53: Encoder Phase B Input 54: Distance Reset 55: Integral Computation Reset 56: User Function 1 57: User Function 2 58: User Function 3 59: User Function 4 60: Start by tracing its rpm is prohibited			110

Function code	Function name	Setting scope	Factory set value	Modification limit	Reference page
P2.0.10	DI Filtering time	0.000s~1.000s	0.010	☆	114
P2.0.11	External Terminal Running Control Mode	0: Two-line Type 1 1: Two-line Type 2 2: Three-line Type 1 3: Three-line Type 2	0	★	
P2.0.12	UP/DOWN Terminal Change Rate	00.001Hz/s~65.535Hz/s	01.000	☆	
P2.0.13	Minimum Input of Curve 1	00.00V~P2.0.15	00.00	☆	115
P2.0.14	Corresponding reference for Minimum Input of Curve 1	-100.0%~100.0%	000.0	☆	
P2.0.15	Maximum Input of Curve 1	P2.0.13~10.00V	10.00	☆	
P2.0.16	Corresponding reference for Maximum Input of Curve 1	-100.0%~100.0%	100.0	☆	
P2.0.17	VF1 Filtering time	00.00s~10.00s	00.10	☆	
P2.0.18	Minimum Input of Curve 2	00.00V~P2.0.20	00.00	☆	
P2.0.19	Corresponding reference for Minimum Input of Curve 2	-100.0%~100.0%	000.0	☆	
P2.0.20	Maximum Input of Curve 2	P2.0.18~10.00V	10.00	☆	
P2.0.21	Corresponding reference for Maximum Input of Curve 2	-100.0%~100.0%	100.0	☆	
P2.0.22	VF2 Filtering time	0.00s~10.00s	00.10	☆	
P2.0.23	Minimum Input of PULS	0.00kHz~ P2.0.25	000.00	☆	116
P2.0.24	Corresponding reference for Minimum Input of PULS	-100.0%~100.0%	000.0	☆	
P2.0.25	Maximum Input of PULS	P2.0.23~100.00kHz	050.00	☆	
P2.0.26	Corresponding reference for Maximum Input of PULS	-100.0%~100.0%	100.0	☆	
P2.0.27	PULS Filtering time	00.00s~10.00s	00.10	☆	
P2.0.28	Expansion Card YO1 Function Selection	0: No Function 1: Frequency inverter under Running 2: Fault Stop Output 3: Frequency Level Testing FDT1 Output 4: Frequency Reached 5: Zero-speed Running (no output when shut down) 6: Motor Overload Pre-alarm 7: Frequency inverter Overload Pre-alarm 8: Reference Count Value Reached 9: Designated Count Value Reached 10: Length Reached 11: PLC circulation cycle completed 12: Accumulative Running Time Reached 13: Frequency Limit 14: Torque Limit 15: Ready for Running 16: VF1>VF2 17: Upper Frequency Reached	00	▲/☆	
P2.0.29	T1 Relay Function Selection		01	☆	
P2.0.30	T2 Relay Function Selection		02	Δ/☆	
P2.0.31	Expansion Card YO2 Function Selection		00	▲/☆	
P2.0.32	YO Function Selection (Use Terminal YO/FMP as YO,i.e.P2.1.20=1)		00	Δ/☆	

Function code	Function name	Setting scope	Factory set value	Modification limit	Reference page
		18: Lower Frequency Reached (no output when shut down) 19: Undervoltage state output 20: Communication Reference 21: VF1 Output less than Lower Limit 22: VF1 Output more Upper Limit 23: Zero-speed Running 2 (also output when shut down) 24: Accumulative Power-on Time Reached 25: Frequency Level Testing FDT2 Output 26: Frequency 1 Reaches Output 27: Frequency 2 Reaches Output 28: Current 1 Reaches Output 29: Current 2 Reaches Output 30: Timing Reaches Output 31: VF1 Input Overlimit 32: In Off-load 33: In Reverse Running 34: Zero-current State 35: Module Temperature Reached 36: Output Current Overlimit 37: Lower Frequency Reached (also output when shut down) 38: Alarm Output 39: PLC Phase Completed 40: Current Running Time Reached 41: Fault Output (Not Output for Undervoltage) 42: Time of Timer 1 Reached 43: Time of Timer 2 Reached 44: Time of Timer 1 Reached but Time of Timer 2 not Reached 45: User Function 1 46: User Function 2 47: User Function 3 48: User Function 4 49: User Function 5 50: Synchronization Intermediate Relay M1 51: Synchronization Intermediate Relay M2 52: Synchronization Intermediate Relay M3 53: Synchronization Intermediate Relay M4 54: Synchronization Intermediate Relay M5 55: Distance over Zero 56: Distance Set value 1 Reached 57: Distance Set value 2 Reached 58: Operation Result 2 greater than 0 59: Operation Result 4 greater than 0			117
P2.0.33	Analog Output FM1 Reference	0: Running Frequency 1: Reference frequency	00	☆	120
P2.0.34	Analog Output FM2 Reference	2: Output Current 3: Output Torque (Absolute Value of Torque)	01	Δ / ☆	
P2.0.35	FMP Output Reference (Use Terminal YO/FMP as FMP, i.e.P2.1.20=0)	4: Output Power 5: Output Voltage 6: Impulse Input 7: VF1 Voltage 8: VF1 Voltage 9: Keyboard Potentiometer Voltage 10: Actual Length Value 11: Actual Counting Value 12: Communication Reference 13: Motor Speed 14: Output Current 15: Bus line voltage 16: Output Torque 17: Operation Result 1 18: Operation Result 2 19: Operation Result 3 20: Operation Result 4	00	Δ / ☆	
P2.0.36	Analog FM1 Output Offset	-100.0%~100.0%	000.0	☆	121
P2.0.37	Analog FM1 Output Gains	-10.00~10.00	01.00	☆	
P2.0.38	Analog FM2 Output Offset	-100.0%~100.0%	000.0	Δ / ☆	
P2.0.39	Analog FM2 Output Gains	-10.00~10.00	01.00	Δ / ☆	

Group P2.1: Extension Group					
P2.1.00	Valid Selection 1 of Model Terminal DI 1	0: Active High Level 1: Active Low Level Ones: DI1 (E102 invalid) Tens: DI2 Hundreds: DI3 Thousands: DI4 Ten Thousands: DI5	00000	★	121
P2.1.01	Valid Selection 2 of Model Terminal DI	0: Active High Level 1: Active Low Level Ones: DI6 Tens: DI7 (Invalid E100) Hundreds: DI8 (Invalid E100) Thousands: DI9 (Invalid E100) Ten Thousands: DI10 (Invalid E100)	00000	★	
P2.1.02	Analog Input Curve Selection	Ones: Curve selected for VF1 Tens: Curve selected for VF2 1: Curve 1 2: Curve 2 3: Curve 3 4: Curve 4 Hundreds: VF1 Input resolution Thousands: VF2 Input resolution Ten Thousands: Keyboard Potentiometer input resolution 0:00.01Hz 1:00.02Hz 2:00.05Hz 3:00.10Hz 4:00.20Hz 5:00.50Hz 6:01.00Hz(Keyboard Potentiometer is invalid)	00021	☆	122
P2.1.03	Selection for Curve less than Min. Reference	0: Corresponding Min. Input Reference 1: 0.0% Ones: VF1 Tens: VF2	H.00	☆	
P2.1.04	Min. Input of Curve 3	00.00V~P2.1.06	00.00	☆	
P2.1.05	Corresponding reference for Min. Input of Curve 3	-100.0%~100.0%	000.0	☆	
P2.1.06	Curve 3 Inflection Point 1 Input	P2.1.04~P2.1.08	03.00	☆	
P2.1.07	Corresponding reference for Curve 3 Inflection Point 1 Input	-100.0%~100.0%	030.0	☆	
P2.1.08	Curve 3 Inflection Point 2 Input	P2.1.06~P2.1.10	06.00	☆	
P2.1.09	Corresponding reference for Curve 3 Inflection Point 2 Input	-100.0%~100.0%	060.0	☆	
P2.1.10	Max. input of Curve 3	P2.1.08~10.00V	10.00	☆	
P2.1.11	Corresponding reference for Max. input of Curve 3	-100.0%~100.0%	100.0	☆	
P2.1.12	Min. Input of Curve 4	00.00V~P2.1.14	00.00	☆	
P2.1.13	Corresponding reference for Min. Input of Curve 4	-100.0%~100.0%	-100.0	☆	
P2.1.14	Curve 4 Inflection Point 1 Input	P2.1.12~P2.1.16	03.00	☆	
P2.1.15	Corresponding reference for Curve 4 Inflection Point 1 Input	-100.0%~100.0%	-030.0	☆	
P2.1.16	Curve 4 Inflection Point 2 Input	P2.1.14~P2.1.18	06.00	☆	
P2.1.17	Corresponding reference for Curve 4 Inflection Point 2 Input	-100.0%~100.0%	030.0	☆	
P2.1.18	Max. input of Curve 4	P2.1.16~10.00V	10.00	☆	
P2.1.19	Corresponding reference for Max. input of Curve 4	-100.0%~100.0%	100.0	☆	
P2.1.20	YO/FMP Terminal Function	0: Impulse output (FMP) 1: Open Collector Output (YO)	1	△ / ☆	
P2.1.21	Highest Frequency of FMP Output	000.01KHz~100.00KHz	050.00	△ / ☆	

Function code	Function name	Setting scope	Factory set value	Modification limit	Reference page
P2.1.22	Valid State of Multi-functional Output Terminal	0: Positive Logic 1: Negative Logic Ones: YO(E102 invalid) Tens: T1 Hundreds: T2(E102 invalid) Thousands: Expansion Card YO1 (Invalid E100) Ten Thousands: Expansion Card YO2 (Invalid E100)	00000	☆	124
P2.1.23	VF1 Terminal Function as Digital Input	00: Use as Normal Analog 01 ~ 59: Digital Input Terminal Function	00	★	
P2.1.24	VF2 Terminal Function as Digital Input	00: Use as Normal Analog 01~59: Digital Input Terminal Function	00	★	
P2.1.25	Valid State Option of VF	0: Active High Level 1: Active Low Level Ones: VF1 Tens: VF2	00	★	124
P2.1.26	DI1 Delay	0.0s~3600.0s	0000.0	△/☆	
P2.1.27	DI2 Delay	0.0s~3600.0s	0000.0	☆	
P2.1.28	DI3 Delay	0.0s~3600.0s	0000.0	☆	
P2.1.29	YO Delay	0.0s~3600.0s	0000.0	△/☆	125
P2.1.30	T1 Delay	0.0s~3600.0s	0000.0	☆	
P2.1.31	T2 Delay	0.0s~3600.0s	0000.0	△/☆	
Group P2.2 Auxiliary Group					
P2.2.00	Accumulative Power-on Reaches Reference Time	00000h~65000h	00000	☆	125
P2.2.01	Accumulative Running Reaches Reference Time	00000h~65000h	00000	☆	
P2.2.02	The reference frequency reaches test width	000.0%~100.0%	000.0	☆	126
P2.2.03	Frequency Test FDT1	000.00Hz~Highest Frequency	050.00	☆	
P2.2.04	FDT1 Lagged Value	000.0%~100.0%	005.0	☆	
P2.2.05	Frequency Test FDT2	000.00Hz~Highest Frequency	050.00	☆	
P2.2.06	FDT2 Lagged Value	000.0%~100.0%	005.0	☆	
P2.2.07	Any reached frequency tested value 1	000.00Hz~Highest Frequency	050.00	☆	
P2.2.08	Any reached frequency 1 test width	000.0%~100.0%	000.0	☆	127
P2.2.09	Any reached frequency tested value 2	000.00Hz~Highest Frequency	050.00	☆	
P2.2.10	Any reached frequency 2 test width	000.0%~100.0%	000.0	☆	
P2.2.11	Zero Current Test Level	000.0%~300.0% (100.0% correspond to rated current of motor)	005.0	☆	
P2.2.12	Delay Time for Zero Current Test	000.01s~600.00s	000.10	☆	128
P2.2.13	Output Current Overlimit Value	00.0: No Test 000.1%~300.0%	200.0	☆	
P2.2.14	Delay Time for Current Overlimit Test	000.00s~600.00s	000.00	☆	
P2.2.15	Current Level Test 1	000.0%~300.0%	100.0	☆	129
P2.2.16	Test Width of Current Level 1	000.0%~300.0%	000.0	☆	
P2.2.17	Current Level Test 2	000.0%~300.0%	100.0	☆	
P2.2.18	Test Width of Current Level 2	000.0%~300.0%	000.0	☆	
P2.2.19	VF1 Input Lower Limit	00.00V~P2.2.20	03.10	☆	
P2.2.20	VF1 Input Upper Limit	P2.2.19~11.00V	06.80	☆	130
P2.2.21	Model Temperature Reaches Reference	000°C~100°C	075	☆	
P2.2.22	Current Running Reaches Reference Time	0000.0 min~6500.0 min	0000.0	★	

5.4 Group P3 - Programmable Function

Function code	Function name	Setting scope	Factory set value	Modification limit	Reference page
Group P3.0: Basic Group					
P3.0.00	Simple PLC Running Mode	0: End of Single Running and Stop 1: End of Single Running and Save Final Value 2: Continuous Running 3: Cycle N Times	0	☆	131
P3.0.01	Cycle number(s), N	00000~65000	00000	☆	
P3.0.02	Option of PLC Power-off Memory	Ones: Option of Power-off Memory 0: No Power-off Memory 1: Power-off Memory Tens: Stop Memory Selection 0: No Stop Memory 1: Stop Memory	00	☆	
P3.0.03	Phase Directive 0	-100.0%~100.0%	000.0	☆	132
P3.0.04	Phase 0 Running Time	0000.0s~6500.0s	0000.0	☆	
P3.0.05	Phase Directive 1	-100.0%~100.0%	000.0	☆	
P3.0.06	Phase 1 Running Time	0000.0s~6500.0s	0000.0	☆	
P3.0.07	Phase Directive 2	-100.0%~100.0%	000.0	☆	
P3.0.08	Phase 2 Running Time	0000.0s~6500.0s	0000.0	☆	
P3.0.09	Phase Directive 3	-100.0%~100.0%	000.0	☆	
P3.0.10	Phase 3 Running Time	0000.0s~6500.0s	0000.0	☆	
P3.0.11	Phase Directive 4	-100.0%~100.0%	000.0	☆	
P3.0.12	Phase 4 Running Time	0000.0s~6500.0s	0000.0	☆	
P3.0.13	Phase Directive 5	-100.0%~100.0%	000.0	☆	
P3.0.14	Phase 5 Running Time	0000.0s~6500.0s	0000.0	☆	
P3.0.15	Phase Directive 6	-100.0%~100.0%	000.0	☆	
P3.0.16	Phase 6 Running Time	0000.0s~6500.0s	0000.0	☆	
P3.0.17	Phase Directive 7	-100.0%~100.0%	000.0	☆	
P3.0.18	Phase 7 Running Time	0000.0s~6500.0s	0000.0	☆	
P3.0.19	Phase Directive 8	-100.0%~100.0%	000.0	☆	
P3.0.20	Phase 8 Running Time	0000.0s~6500.0s	0000.0	☆	
P3.0.21	Phase Directive 9	-100.0%~100.0%	000.0	☆	
P3.0.22	Phase 9 Running Time	0000.0s~6500.0s	0000.0	☆	
P3.0.23	Phase Directive 10	-100.0%~100.0%	000.0	☆	
P3.0.24	Phase 10 Running Time	0000.0s~6500.0s	0000.0	☆	
P3.0.25	Phase Directive 11	-100.0%~100.0%	000.0	☆	
P3.0.26	Phase 11 Running Time	0000.0s~6500.0s	0000.0	☆	

Function code	Function name	Setting scope	Factory set value	Modification limit	Reference page
P3.0.27	Phase Directive 12	-100.0%~100.0%	000.0	☆	132
P3.0.28	Phase 12 Running Time	0000.0s~6500.0s	0000.0	☆	
P3.0.29	Phase Directive 13	-100.0%~100.0%	000.0	☆	
P3.0.30	Phase 13 Running Time	0000.0s~6500.0s	0000.0	☆	
P3.0.31	Phase Directive 14	-100.0%~100.0%	000.0	☆	
P3.0.32	Phase 14 Running Time	0000.0s~6500.0s	0000.0	☆	
P3.0.33	Phase Directive 15	-100.0%~100.0%	000.0	☆	
P3.0.34	Phase 16 Running Time	0000.0s~6500.0s	0000.0	☆	133
P3.0.35	Phase 0 attribution	Ones: Acceleration & Deceleration Time Selection (Invalid Multiplex Directive) 0: Acceleration & Deceleration Time 1 1: Acceleration & Deceleration Time 2 2: Acceleration & Deceleration Time 3 3: Acceleration & Deceleration Time 4 Tens: Frequency Source Selection (Valid Multiplex Directive) 0: Current Phase Directive 1: Keyboard Potentiometer 2: Keyboard Frequency Reference 3: VF1 Input 4: VF2 Input 5: PULS Reference (DI6) 6: PID Reference 7: Operation Result 1 8: Operation Result 2 9: Operation Result 3 A: Operation Result 4 Hundreds unit: running direction 0: Default direction 1: Reversed direction	H.000	☆	
P3.0.36	Phase 1 attribution		H.000	☆	
P3.0.37	Phase 2 attribution		H.000	☆	
P3.0.38	Phase 3 attribution		H.000	☆	
P3.0.39	Phase 4 attribution		H.000	☆	
P3.0.40	Phase 5 attribution		H.000	☆	
P3.0.41	Phase 6 attribution		H.000	☆	
P3.0.42	Phase 7 attribution		H.000	☆	
P3.0.43	Phase 8 attribution		H.000	☆	
P3.0.44	Phase 9 attribution		H.000	☆	
P3.0.45	Phase 10 attribution		H.000	☆	
P3.0.46	Phase 11 attribution		H.000	☆	
P3.0.47	Phase 12 attribution		H.000	☆	
P3.0.48	Phase 13 attribution		H.000	☆	
P3.0.49	Phase 14 attribution		H.000	☆	
P3.0.50	Phase 15 attribution	H.000	☆		
P3.0.51	Simple PLC Running Time Unit	0: Second 1: Hour 2: Minute	0	☆	
Group P3.1: Expansion Group					
P3.1.00	Timing Selection Function	0: Invalid 1: Valid	0	★	134
P3.1.01	Fixed Running Time Selection	0: Digital Reference (P3.1.02) 1: External Terminal VF1 Reference 2: External Terminal VF2 Reference (Analog input range corresponds to P3.1.02)	0	★	
P3.1.02	Fixed Running Time	0000.0min~6500.0min	0000.0	★	
P3.1.03	Wobblulating Reference Mode	0: Relative to Reference frequency 1: Relative to Highest Frequency	0	☆	134
P3.1.04	Wobblulating Range	000.0%~100.0%	000.0	☆	
P3.1.05	Kicking Range	00.0%~50.0%	00.0	☆	
P3.1.06	Wobblulating Cycle	0000.1s~3000.0s	0010.0	☆	
P3.1.07	Rise Time of Wobblulating Triangular Wave	000.1%~100.0%	050.0	☆	
P3.1.08	Reference Length	00000m~65535m	01000	☆	
P3.1.09	Actual Length	00000m~65535m	00000	☆	
P3.1.10	Impulse Count per meter	0000.1~6553.5	0100.0	☆	
P3.1.11	Reference Count Value	00001~65535	01000	☆	
P3.1.12	Designated Count Value	00001~65535	01000	☆	
P3.1.13	Distance Set value 1	-3200.0~3200.0	0000.0	☆	
P3.1.14	Distance Set value 2	-3200.0~3200.0	0000.0	☆	
P3.1.15	Impulse Count per Distance	000.00~600.00	000.00	☆	

Function code	Function name	Setting scope	Factory set value	Modification limit	Reference page
Group P3.2: Built-in Logic PLC Function Group					
P3.2.00	Intermediate Delay Relay Control	0: the input of this relay is determined by this Relay Control Word A 1: the input of this relay is determined by this Relay Control Word B 2: the input of this relay is determined by this Relay Control Word C Ones: Relay 1 (M1) Tens: Relay 2 (M2) Hundreds: Relay 3 (M3) Thousands: Relay 4 (M4) Ten Thousands: Relay 5(M5)	00000	★	135
P3.2.01	Intermediate Relay Control Word A	0: Reference 0 1: Reference 1 Ones: M1 Tens: M2 Hundreds: M3 Thousands: M4 Ten Thousands: M5	00000	☆	
P3.2.02	Intermediate Delay Relay M1 Control Word B	Ones: Control Logic 0: Input 1	00000	★	
P3.2.03	Intermediate Delay Relay M2 Control Word B	1: Input 1 and NOT 2: Input 1 and Input 2 AND	00000	★	
P3.2.04	Intermediate Delay Relay M3 Control Word B	3: Input 1 and Input 2 OR 4: Input 1 and Input 2 XOR	00000	★	
P3.2.05	Intermediate Delay Relay M4 Control Word B	5: the valid reference of Input 1 is valid	00000	★	
P3.2.06	Intermediate Delay Relay M5 Control Word B	the valid Reference of Input 2 is invalid 6. Valid reference of Input 1 Rise Edge is valid Valid reference of Input 2 Rise Edge is invalid 7: Reverse valid signal of Input 1 Rising Edge 8: Input 1 Rise Edge is valid and output a impulse signal with width of 200ms 9: Input 1 Rise Edge and Input 2 AND Hundreds Tens: set the option for Input 1 0~9: DI1~DI10 10~14: M1~M5 15~16: VF1, VF2 17~19: Standby 20 ~ 79 : Output Function 00~59 Corresponding to Multi-functional Output Terminal Ten Thousands Thousands : set the option for Input 2 0~9: DI1~DI10 10~14: M1~M5 15~16: VF1, VF2 17~19: Standby 20 ~ 59 : Output Function 00~39 Corresponding to Multi-functional Output Terminal	00000	★	136

Function code	Function name	Setting scope	Factory set value	Modification limit	Reference page
P3.2.07	Intermediate Delay Relay M1 Control Word C	Tens Ones:00~59	0000	★	137
P3.2.08	Intermediate Delay Relay M2 Control Word C	Output Function 00~59 Corresponding to Digital Input Terminal	0000	★	
P3.2.09	Intermediate Delay Relay M3 Control Word C	Thousands Hundreds	0000	★	
P3.2.10	Intermediate Delay Relay M4 Control Word C	Output Function 00~59	0000	★	
P3.2.11	Intermediate Delay Relay M5 Control Word C	Corresponding to Multi-functional Output Terminal	0000	★	
P3.2.12	M1 Connection Delay Time	0.0s~3600.0s	0000.0	☆	137
P3.2.13	M2 Connection Delay Time	0.0s~3600.0s	0000.0	☆	
P3.2.14	M3 Connection Delay Time	0.0s~3600.0s	0000.0	☆	
P3.2.15	M4 Connection Delay Time	0.0s~3600.0s	0000.0	☆	
P3.2.16	M5 Connection Delay Time	0.0s~3600.0s	0000.0	☆	
P3.2.17	M1 Disconnection Delay Time	0.0s~3600.0s	0000.0	☆	
P3.2.18	M2 Disconnection Delay Time	0.0s~3600.0s	0000.0	☆	
P3.2.19	M3 Disconnection Delay Time	0.0s~3600.0s	0000.0	☆	
P3.2.20	M4 Disconnection Delay Time	0.0s~3600.0s	0000.0	☆	
P3.2.21	M5 Disconnection Delay Time	0.0s~3600.0s	0000.0	☆	
P3.2.22	Valid State Option of Intermediate Relay	0: Not Negation 1: Negation Ones: M1 Tens: M2 Hundreds: M3 Thousands: M4 Ten Thousands: M5	00000	☆	
P3.2.23	Internal Timer Control Word	Ones: Timing Control 1 of Timer Tens: Timing Control 2 of Timer 0: Timer Running 1: Controlled by Timer Input Terminal 1 2: Negation Control of Timer Input Terminal 1 3: Controlled by Timer Input Terminal 2 4: Negation Control of Timer Input Terminal 2 Hundreds: Timer 1 Reset Control Thousands: Timer 2 Reset Control 0: Controlled by Timer Reset Terminal 1 1: Controlled by Timer Reset Terminal 2 Ten Thousands: Timing Unit 0: Second 1: Minute 2: Hour	00000	☆	138
P3.2.24	Timing Time of Timer 1	0.0s~3600.0s	0000.0	☆	
P3.2.25	Timing Time of Timer 2	0.0s~3600.0s	0000.0	☆	

Function code	Function name	Setting scope	Factory set value	Modification limit	Reference page
P3.2.26	Operation Module	0: No Operation 1: Add Operation 2: Subtraction Operation 3: Multiply Operation 4: Division Operation 5: Greater than Judgment 6: Equal to Judgment 7: Equal to or Greater than Judgment 8: Integration 9~F: Reservation Ones: Operation 1 Tens: Operation 2 Hundreds: Operation 3 Thousands: Operation 4	H.0000	☆	
P3.2.27	Operation Setting Coefficient Property	0: Operate the Setting Coefficient by multiplication without decimal 1: Operate the Setting Coefficient by multiplication with one decimal 2: Operate the Setting Coefficient by multiplication with two decimals 3: Operate the Setting Coefficient by multiplication with three decimals 4: Operate the Setting Coefficient by multiplication with four decimals 5: Operate the Setting Coefficient by division without decimal 6: Operate the Setting Coefficient by division with one decimal 7: Operate the Setting Coefficient by division with two decimals 8: Operate the Setting Coefficient by division with three decimals 9: Operate the Setting Coefficient by division with four decimals A: Operate the Setting Coefficient by division without decimal B: Operate the Setting Coefficient by division with one decimal C: Operate the Setting Coefficient by division with two decimals D: Operate the Setting Coefficient by division with three decimals E: Operate the Setting Coefficient by division with four decimals (The setting coefficient of A, B, C, D, E is the address number of function code) Ones: Operation 1 Tens: Operation 2 Hundreds: Operation 3 Thousands: Operation 4	H.0000	☆	139
P3.2.28	Input A of Operation 1	Thousands, Hundreds, Tens and Ones: express address of Input A of Operation 1 Ten Thousands: express input operation model 0: Input is operation by unsigned number 1: Input is operation by signed number	00000	☆	140

Function code	Function name	Setting scope	Factory set value	Modification limit	Reference page
P3.2.29	Input B of Operation 1	Thousands, Hundreds, Tens and Ones: express address of Input B of Operation 1 Ten Thousands: express input operation model 0: Input is operation by unsigned number 1: Input is operation by signed number	00000	☆	140
P3.2.30	Setting Coefficient of Operation 1	00000~65535	00001	☆	
P3.2.31	Input A of Operation 2	Thousands, Hundreds, Tens and Ones: express address of Input A of Operation 2 Ten Thousands: express input operation model 0: Input is operation by unsigned number 1: Input is operation by signed number	00000	☆	
P3.2.32	Input B of Operation 2	Thousands, Hundreds, Tens and Ones: express address of Input B of Operation 1 Ten Thousands: express input operation model 0: Input is operation by unsigned number 1: Input is operation by signed number	00000	☆	141
P3.2.33	Setting Coefficient of Operation 2	00000~65535	00001	☆	
P3.2.34	Input A of Operation 3	Thousands, Hundreds, Tens and Ones: express address of Input A of Operation 3 Ten Thousands: express input operation model 0: Input is operation by unsigned number 1: Input is operation by signed number	00000	☆	
P3.2.35	Input B of Operation 3	Thousands, Hundreds, Tens and Ones: express address of Input B of Operation 3 Ten Thousands: express input operation model 0: Input is operation by unsigned number 1: Input is operation by signed number	00000	☆	
P3.2.36	Setting Coefficient of Operation 3	00000~65535	00001	☆	
P3.2.37	Input A of Operation 4	Thousands, Hundreds, Tens and Ones: express address of Input A of Operation 4 Ten Thousands: express input operation model 0: Input is operation by unsigned number 1: Input is operation by signed number	00000	☆	
P3.2.38	Input B of Operation 4	Thousands, Hundreds, Tens and Ones: express address of Input B of Operation 4 Ten Thousands: express input operation model 0: Input is operation by unsigned number 1: Input is operation by signed number	00000	☆	
P3.2.39	Setting Coefficient of Operation 4	00000~65535	00001	☆	

5.5 Group P4 - PID Control And Communication Control

Function code	Function name	Setting scope	Factory set value	Modification limit	Reference page
Group P4.0: PID Control Group					
P4.0.00	PID Reference Source	0: Digital Reference (P4.0.01) 1: Keyboard Potentiometer Reference 2: External Terminal VF1 Reference 3: External Terminal VF2 Reference 4: PULS Reference (DI6) 5: Communication Reference 6: Multiplex Directive Terminal Reference 7: Simple PLC Reference 8: Operation Result 1 9: Operation Result 2 10: Operation Result 3 11: Operation Result 4	00	☆	142
P4.0.01	PID Value Reference	000.0%~100.0%	050.0	☆	
P4.0.02	PID Feedback Source	0: External Terminal VF1 Reference 1: External Terminal VF1 Reference 2: VF1-VF2 3: VF1+VF2 4: PULS Reference (DI6) 5: Communication Reference 6: MAX[VF1, VF2] 7: MIN[VF1, VF2] 8: Switch of Multiplex Directive Terminal on the above conditions 9: Operation Result 1 10: Operation Result 2 11: Operation Result 3 12: Operation Result 4	00	☆	143
P4.0.03	PID Action Direction	0: Direct Action 1: Reverse Action	0	☆	
P4.0.04	PID Reference Feedback Range	00000~65535	01000	☆	145
P4.0.05	Proportional Gains KP1	000.0~100.0	020.0	☆	
P4.0.06	Integral Time TI1	00.01s~10.00s	02.00	☆	
P4.0.07	Derivative Time TD1	00.000s~10.000s	00.000	☆	
P4.0.08	PID Deviation Limit	000.0%~100.0%	000.0	☆	
P4.0.09	PID Feedback Filtering time	00.00s~60.00s	00.00	☆	
P4.0.10	Proportional Gains KP2	000.0~100.0	020.0	☆	146
P4.0.11	Integral Time TI2	00.01s~10.00s	02.00	☆	
P4.0.12	Derivative Time TD2	00.000s~10.000s	00.000	☆	
P4.0.13	PID Switch Conditions	0: No Switch 1: Switch through Terminals 2: Switch through Deviation	0	☆	146
P4.0.14	PID Switch Deviation 1	000.0%~P4.0.15	020.0	☆	
P4.0.15	PID Switch Deviation 2	P4.0.14~100.0%	080.0	☆	
P4.0.16	PID Initial Value	000.0%~100.0%	000.0	☆	
P4.0.17	PID Initial Value Hold Time	000.00~650.00s	000.00	☆	
P4.0.18	PID Feedback Loss Test	000.0%: No Judgment on Feedback Loss 000.1%~100.0%	000.0	☆	147
P4.0.19	PID Feedback Loss Test Time	00.0s~20.0s	00.0	☆	
P4.0.20	PID Stop Operation	0: No Operation 1: Operation	0	☆	148

Group P4.1: Communication Group					
P4.1.00	Baud Rate	Ones unit: MODBUS baud rate 0: 1200 1: 2400 2: 4800 3: 9600 4: 19200 5: 38400 6: 57600 Tens unit: PROFIBUS baud rate 0: 115200 1: 208300 2: 256000 3: 512000	3	☆	148
P4.1.01	Data Format	0: No Verification (8-N-2) 1: Even Parity Verification (8-E-1) 2: Odd Parity Verification (8-O-1) 3: No Verification (8-N-1)	0	☆	
P4.1.02	Local Machine Address	000: Broadcast Address 001~249	001	☆	
P4.1.03	Response Delay	00~20ms	02	☆	
P4.1.04	Communication Timeout	00.0 (Invalid) 00.1s~60.0s	00.0	☆	
P4.1.05	Data Transmission Format	Ones unit: MODBUS data format 0: ASCII Mode (Reservation) 1: RTU Mode Tens unit: PROFIBUS data format 0: PPO1 1: PPO2 2: PPO3 3: PPO5	1	☆	148
P4.1.06	MODBUS communication data reply or not	0: Reply 1: No reply	0	☆	

5.6 Group P5 - Keyboard Display

Function code	Function name	Setting scope	Factory set value	Modification limit	Reference page	
Group P5.0: Basic Group						
P5.0.00	Keyboard JOG Key Function Reference	0: Invalid 1: Forward Jogging 2: Reverse Jogging 3: Forward and Reverse Switch	1	★		
P5.0.01	Keyboard STOP Key Stop Function	0: Only valid in Keyboard Operation Mode 1: Valid for any Mode	1	☆		
P5.0.02	LED Running Display Parameter 1	H.0001~H.FFFF Bit00: Running Frequency (Hz) Bit01: Reference frequency (Hz) Bit02: Output Current (A) Bit03: Output Voltage (V) Bit04: Bus line voltage (V) Bit05: Output Torque (%) Bit06: Output Power (kW) Bit07: Input Terminal State Bit08: Output Terminal State Bit09: VF1 Voltage (V) Bit10: VF2 Voltage (V) Bit11: Customized Display Value Bit12: Actual Count Value Bit13: Actual Length Value Bit14: PID Reference Bit15: PID Feedback	H.001F	☆		
P5.0.03	LED Running Display Parameter 2	H.0000~H.FFFF Bit00: Impulse frequency (0.01kHz) Bit01: Feedback Speed (Hz) Bit02: PLC Phase Bit03: VF1 Voltage before Correction (V) Bit04: VF2 Voltage before Correction (V) Bit05: Line Speed Bit06: Current Power-on Time (min) Bit07: Current Running Time (min) Bit08: Residual Running Time (min) Bit09: Frequency of Frequency Source A(Hz) Bit10: Frequency of Frequency Source B(Hz) Bit11: Communication Set value (Hz) Bit12: Impulse frequency (Hz) Bit13: Encoder Feedback Speed (r/min) Bit14: Actual Distance Value Bit15: User Standby Monitoring Value 1	H.0000	☆		149
P5.0.04	Automatic Time Switch of LED Running Display Parameter	000.0: No Switch 000.1s~100.0s	000.0	☆		

Function code	Function name	Setting scope	Factory set value	Modification limit	Reference page
P5.0.05	LED Stop Display Parameter	H.0001~H.FFFF Bit00: Reference frequency (Hz) Bit01: Bus line voltage (V) Bit02: Input Terminal State Bit03: Output Terminal State Bit04: VF1 Voltage (V) Bit05: VF2 Voltage (V) Bit06: Actual Count Value Bit07: Actual Length Value Bit08: PLC Phase Bit09: Customized Display Value Bit10: PID Reference Bit11: PID Feedback Bit12: Impulse frequency (Hz) Bit13: User Standby Monitoring Value 1 Bit14: Reservation Bit15: Reservation	H.0033	☆	151
P5.0.06	LCD Line 1 Display at Running	0000~9399	9001	☆	
P5.0.07	LCD Line 2 Display at Running	0000~9399	9000	☆	
P5.0.08	LCD Line 3 Display at Running	0000~9399	9002	☆	
P5.0.09	LCD Line 4 Display at Running	0000~9399	9003	☆	
P5.0.10	LCD Line 1 Display at Stop	0000~9399	9001	☆	152
P5.0.11	LCD Line 2 Display at Stop	0000~9399	9000	☆	
P5.0.12	LCD Line 3 Display at Stop	0000~9399	9004	☆	
P5.0.13	LCD Line 4 Display at Stop	0000~9399	0000	☆	
P5.0.14	LCD Chinese/English Display Switch	0: Chinese 1: English	0	☆	
P5.0.15	Customized Display of Coefficient	0.0001~6.5000	1.0000	☆	
P5.0.16	User-defined display control word.	Ones unit: user-defined decimal place displaying 0: zero decimal place 1: one decimal place 2: two decimal places 3: three decimal places Tens unit: source of user-defined display value 0: determined by hundreds place of user-defined display control word. 1: determined by set value of P5.0.15, and 0.0000~0.0099 corresponds to P9.0.00 ~ P9.0.99 of P9 Group. Hundreds unit: selection of user-defined displaying coefficient 0: user-defined displaying coefficient is P5.0.15. 1: user-defined displaying coefficient is calculation result 1 2: user-defined displaying coefficient is calculation result 2 3: user-defined displaying coefficient is calculation result 3 4: user-defined displaying coefficient is calculation result 4	001	☆	

Function code	Function name	Setting scope	Factory set value	Modification limit	Reference page
P5.0.17	Selection of Function Group	Display of Parameter Ones: 0: Only display basic group 1: Display the menus at all levels Tens 0: Don't display Group P7 1: Display Group P7 2: Reservation Hundreds: 0: Don't display correction parameter group 1: Display correction parameter group Thousands: 0: Don't display code group 1: Display code group Ten Thousands: Reservation	00011	☆	153
P5.0.18	Function Protection	Password 0: Modifiable 1: Non-modifiable 2: Allowable Modification to GP Type	0	☆	154
P5.0.19	Parameter Initialization	00: No Operation 01: Clearance of Record Information 09: Recover Factory set value, excluding motor parameter, correction group, password group 19: Recover Factory set value, excluding motor parameter, password group 30: Users Current Parameter Backup 60: User Backup Parameters Recovery 100~999: User factory set values recovery	000	★	
P5.0.20	User Password	00000~65535	00000	☆	155
Group P.5.1 Expansion Group					
P5.1.00	Accumulative Running Time	00000h~65000h		●	155
P5.1.01	Accumulative Power On Time	00000h~65000h		●	
P5.1.02	Accumulative Power Consumption	00000°C~65000°C		●	
P5.1.03	Module Temperature	000°C~100°C		●	
P5.1.04	Hardware Version No.	180.00		●	
P5.1.05	Software Version No.	001.00		●	
P5.1.06	Program Nonstandard Label	0000~9999		●	

5.7 Group P6 - Fault Display and Protection

Function code	Function name	Setting scope	Factory set value	Modification limit	Reference page
Group P6.0: Fault Display Group					
P6.0.00	Fault Record 1 (Last Time)	0: No Fault		•	156
P6.0.01	Fault Record 2	1: Constant Overcurrent		•	
P6.0.02	Fault Record 3	2: Accelerated Overcurrent 3: Decelerated Overcurrent 4: Constant Overvoltage 5: Accelerated Overvoltage 6: Decelerated Overvoltage 7: Module Fault 8: Undervoltage 9: Frequency inverter Overload 10: Motor Overload 11: Input Default Phase 12: Output Default Phase 13: External Fault 14: Communication Abnormity 15: Frequency inverter Overheat 16: Frequency inverter Hardware Fault 17: Motor-to-ground Short Circuit 18: Motor Identification Error 19: Motor Off-load 20: PID Feedback Loss 21: User Customerized Fault 1 22: User Customerized Fault 2 23: Power-on Time Reached 24: Running Time Reached 25: Encoder Fault 26: Parameter Read-Write Abnormity 27: Motor Overheat 28: Larger Speed Deviation 29: Motor Overspeed 30: Initial Position Error 31: Current Test Fault 32: Contactor 33: Abnormity of Current Test 34: Fast Current-limiting Timeout 35: Motor Switch at Running 36: 24V Power Fault 37: Driving power supply fault 38~39: Reservation 40: Buffer Resistance Fault		•	

Function code	Function name	Setting scope	Factory set value	Modification limit	Reference page
P6.0.03	Fault Frequency 1			●	156
P6.0.04	Fault Current 1			●	
P6.0.05	Bus line voltage 1 when at Fault			●	
P6.0.06	Input Terminal State 1 when at fault			●	
P6.0.07	Output Terminal State 1 when at fault			●	
P6.0.08	Frequency inverter State 1 when at fault			●	
P6.0.09	Power-on Time 1 when at fault			●	
P6.0.10	Running Time 1 when at fault			●	
P6.0.11	Fault Frequency 2			●	
P6.0.12	Fault Current 2			●	
P6.0.13	Bus line voltage 2 when at Fault			●	157
P6.0.14	Input Terminal State 2 when at fault			●	
P6.0.15	Output Terminal State 2 when at fault			●	
P6.0.16	Frequency inverter State 2 when at fault			●	
P6.0.17	Power-on Time 2 when at fault			●	
P6.0.18	Running Time 2 when at fault			●	
P6.0.19	Fault Frequency 3			●	
P6.0.20	Fault Current 3			●	
P6.0.21	Bus line voltage 3 when at Fault			●	
P6.0.22	Input Terminal State 3 when at fault			●	
P6.0.23	Output Terminal State 3 when at fault			●	
P6.0.24	Frequency inverter State 3 when at fault			●	
P6.0.25	Power-on Time 3 when at fault			●	
P6.0.26	Running Time 3 when at fault			●	
Group 6.1: Protection Control Group					
P6.1.00	Input Default Phase Protection	0: Prohibited 1: Allowed	1	☆	157
P6.1.01	Output Default Phase Protection	0: Prohibited 1: Allowed	1	☆	
P6.1.02	Overvoltage Stall Protection Sensitivity	0~100	5	☆	158
P6.1.03	Overvoltage Stall Protection Voltage Point	120% ~ 150%	130	☆	
P6.1.04	Overcurrent Stall Protection Sensitivity	0~100	020	☆	
P6.1.05	Overcurrent Stall Protection current	100% ~ 200%	150	☆	
P6.1.06	Fault Auto Reset Number	0~20	00	☆	
P6.1.07	Waiting Interval Time of Fault Auto Reset	0.1s ~ 100.0s	001.0	☆	

Function code	Function name	Setting scope	Factory set value	Modification limit	Reference page
P6.1.08	Fault Protective Action Selection 1	0: Free Stop 1: Stop by its Mode 2: Continuous Running Ones: Motor Overload Tens: Input Default Phase Hundreds: Output Default Phase Thousands: External Default Ten Thousands: Communication Abnormality	00000	☆	159
P6.1.09	Fault Protective Action Selection 2	0: Free Stop 1: Stop by its Mode 2: Continuous Running Ones: Motor Overload Tens: Feedback Loss Hundreds: User Customized Fault 1 Thousands: User Customized Fault 2 Ten Thousands: Power-on Time Reached	00000	★	
P6.1.10	Fault Protective Action Selection 3	Ones: Running Time Reached 0: Free Stop 1: Stop by its Mode 2: Continuous Running Tens: Encoder Abnormality 0: Free Stop Hundreds: Parameter Read-Write Abnormity 0: Free Stop 1: Stop by its Mode Thousands: Motor Overhear 0: Free Stop 1: Stop by its Mode 2: Continuous Running Ten Thousands: Fault of 24V Power Supply 0: Free Stop 1: Stop by its Mode	00000	☆	
P6.1.11	Fault Protective Action Selection 4	0: Free Stop 1: Stop by its Mode 2: Continuous Running Ones: Larger Speed Deviation Tens: Motor Overspeed Hundreds: Initial Position Error Thousands: Reservation Ten Thousands: Reservation	00000	☆	

Function code	Function name	Setting scope	Factory set value	Modification limit	Reference page
P6.1.12	Continuous Running Frequency Selection when at Fault	0: Running at Current Frequency 1: Running at Reference frequency 2: Running at Upper Frequency 3: Running at Lower Frequency 4: Running at Back Frequency for Abnormality	0	☆	160
P6.1.13	Backup Frequency for Abnormality	000.0%~100.0%	100.0	☆	
P6.1.14	Action Selection for Momentary Interruption	0: Invalid 1: Deceleration 2: Stop by Deceleration	0	☆	161
P6.1.15	Judgment Time of Momentary Interruption Voltage Recovery	000.00s~100.00s	000.50	☆	
P6.1.16	Voltage Judgment for Momentary Interruption Action	60.0%~100.0% (Standard Bus line voltage)	080.0	☆	
P6.1.17	Voltage Judgment for Suspension of Momentary Action	80.0%~100.0% (Standard Bus line voltage)	090.0	☆	
P6.1.18	Off-load Protection Selection	0: Valid 1: Invalid	0	☆	
P6.1.19	Off-load Test Level	000.0%~100.0%	010.0	☆	162
P6.1.20	Off-load Test Time	00.0s~60.0s	01.0	☆	
P6.1.21	Overspeed Test	00.0%~50.0%	20.0	☆	
P6.1.22	Overspeed Test Time	00.0: No Test 00.1s~60.0s	01.0	☆	
P6.1.23	Speed Deviation greater than Test Value	00.0%~50.0%	20.0	☆	
P6.1.24	Speed Deviation greater than Test Time	00.0: No Test 00.1s~60.0s	05.0	☆	
P6.1.25	Fault Output Terminal Action Selection during Fault Auto Reset Period	0: No Action 1: Action	0	☆	
P6.1.26	Input Default Phase Protection Sensitivity	01~10 (The smaller it is, the more sensitivity it is)	05	☆	

5.8 Group P7 - User Function Customization

Function code	Function name	Setting scope	Factory set value	Modification limit	Reference page
Group P7.0: Basic Group					
P7.0.00	User Function 0	U0.0.01	U0.001	●	163
P7.0.01	User Function 1	U0.0.00~UX.X.XX (exclude P7, P8)	U0.002	☆	
P7.0.02	User Function 2	U0.0.00~UX.X.XX (exclude P7, P8)	U0.003	☆	
P7.0.03	User Function 3	U0.0.00~UX.X.XX (exclude P7, P8)	U0.007	☆	
P7.0.04	User Function 4	U0.0.00~UX.X.XX (exclude P7, P8)	U0.008	☆	
P7.0.05	User Function 5	U0.0.00~UX.X.XX (exclude P7, P8)	U0.017	☆	
P7.0.06	User Function 6	U0.0.00~UX.X.XX (exclude P7, P8)	U0.018	☆	
P7.0.07	User Function 7	U0.0.00~UX.X.XX (exclude P7, P8)	U0.000	☆	
P7.0.08	User Function 8	U0.0.00~UX.X.XX (exclude P7, P8)	U0.000	☆	
P7.0.09	User Function 9	U0.0.00~UX.X.XX (exclude P7, P8)	U0.000	☆	
P7.0.10	User Function 10	U0.0.00~UX.X.XX (exclude P7, P8)	U0.000	☆	
P7.0.11	User Function 11	U0.0.00~UX.X.XX (exclude P7, P8)	U0.000	☆	
P7.0.12	User Function 12	U0.0.00~UX.X.XX (exclude P7, P8)	U0.000	☆	
P7.0.13	User Function 13	U0.0.00~UX.X.XX (exclude P7, P8)	U0.000	☆	
P7.0.14	User Function 14	U0.0.00~UX.X.XX (exclude P7, P8)	U0.000	☆	
P7.0.15	User Function 15	U0.0.00~UX.X.XX (exclude P7, P8)	U0.000	☆	
P7.0.16	User Function 16	U0.0.00~UX.X.XX (exclude P7, P8)	U0.000	☆	
P7.0.17	User Function 17	U0.0.00~UX.X.XX (exclude P7, P8)	U0.000	☆	
P7.0.18	User Function 18	U0.0.00~UX.X.XX (exclude P7, P8)	U0.000	☆	
P7.0.19	User Function 19	U0.0.00~UX.X.XX (exclude P7, P8)	U0.000	☆	
P7.0.20	User Function 20	U0.0.00~UX.X.XX (exclude P7, P8)	U0.000	☆	
P7.0.21	User Function 21	U0.0.00~UX.X.XX (exclude P7, P8)	U0.000	☆	
P7.0.22	User Function 22	U0.0.00~UX.X.XX (exclude P7, P8)	U0.000	☆	
P7.0.23	User Function 23	U0.0.00~UX.X.XX (exclude P7, P8)	U0.000	☆	
P7.0.24	User Function 24	U0.0.00~UX.X.XX (exclude P7, P8)	U0.000	☆	
P7.0.25	User Function 25	U0.0.00~UX.X.XX (exclude P7, P8)	U0.000	☆	
P7.0.26	User Function 26	U0.0.00~UX.X.XX (exclude P7, P8)	U0.000	☆	
P7.0.27	User Function 27	U0.0.00~UX.X.XX (exclude P7, P8)	U0.000	☆	
P7.0.28	User Function 28	U0.0.00~UX.X.XX (exclude P7, P8)	U0.000	☆	
P7.0.29	User Function 29	U0.0.00~UX.X.XX (exclude P7, P8)	U0.000	☆	

5.9 Group P8 - Manufacturer Function

Function code	Function name	Setting scope	Factory set value	Modification limit	Reference page
Group P8.0: Manufacturer Function Group					
P8.0.00	Manufacturer Code	00000~65535	00000	☆	164
Sort P8.1: Parameter Correction Sort					
P8.1.00	Voltage Input of Potentiometer Correction Point 1	00.00V~P8.1.02	00.00	☆	164
P8.1.01	Corresponding reference of Potentiometer Correction Point 1	-100.0%~100.0%	000.0	☆	
P8.1.02	Voltage Input of Potentiometer Correction Point 2	P8.1.00~10.00V	10.00	☆	
P8.1.03	Corresponding reference of Potentiometer Correction Point 2	-100.0%~100.0%	100.0	☆	
P8.1.04	Filtering time of potentiometer	00.00s~10.00s	00.10	☆	
P8.1.05	VF1 actual voltage 1	0.500V~4.000V	2.000	☆	
P8.1.06	VF1 indicated voltage 1	0.500V~4.000V	2.000	☆	
P8.1.07	VF1 actual voltage 2	6.000V~9.999V	8.000	☆	
P8.1.08	VF1 indicated voltage 2	6.000V~9.999V	8.000	☆	
P8.1.09	VF2 actual voltage 1	0.500V~4.000V	2.000	☆	
P8.1.10	VF2 indicated voltage 1	0.500V~4.000V	2.000	☆	
P8.1.11	VF2 actual voltage 2	6.000V~9.999V	8.000	☆	
P8.1.12	VF2 indicated voltage 2	6.000V~9.999V	8.000	☆	
P8.1.13	FM1 target voltage 1	0.500V~4.000V	2.000	☆	165
P8.1.14	FM1 actual voltage 1	0.500V~4.000V	2.000	☆	
P8.1.15	FM1 target voltage 2	6.000V~9.999V	8.000	☆	
P8.1.16	FM1 target voltage 2	6.000V~9.999V	8.000	☆	
P8.1.17	FM2 target voltage 1	0.500V~4.000V	2.000	Δ /☆	
P8.1.18	FM2 target voltage 1	0.500V~4.000V	2.000	Δ /☆	
P8.1.19	FM2 target voltage 2	6.000V~9.999V	8.000	Δ /☆	
P8.1.20	FM2 target voltage 2	6.000V~9.999V	8.000	Δ /☆	

5.10 Group P9 - Monitoring Parameter

Function code	Function Name	Setting scope	Factory set value	Modification limit	Reference page
Sort P9.0: Basic Monitoring Parameter					
P9.0.00	Running Frequency			●	166
P9.0.01	Reference frequency			●	
P9.0.02	Output Current			●	
P9.0.03	Output Voltage			●	
P9.0.04	Bus line voltage			●	
P9.0.05	Output Torque			●	
P9.0.06	Output Power			●	166
P9.0.07	Input Terminal Status			●	
P9.0.08	Output Terminal Status			●	
P9.0.09	VF1 Voltage			●	
P9.0.10	VF2 Voltage			●	
P9.0.11	Custom Display Value			●	
P9.0.12	Actual Counting Value			●	
P9.0.13	Actual Length Value			●	
P9.0.14	PID Reference			●	
P9.0.15	PID Feedback			●	
P9.0.16	PULS Impulse frequency			●	
P9.0.17	Feedback Speed			●	
P9.0.18	PLC Phase			●	
P9.0.19	Voltage before VF1 Correction			●	
P9.0.20	Voltage before VF2 Correction			●	
P9.0.21	Line Speed			●	
P9.0.22	Current Power-on Time			●	
P9.0.23	Current Running Time			●	
P9.0.24	Residual Running Time			●	
P9.0.25	Frequency of Frequency Source A			●	167
P9.0.26	Frequency of Frequency Source B			●	
P9.0.27	Communication Set value			●	
P9.0.28	Impulse frequency			●	
P9.0.29	Encoder Feedback Speed			●	
P9.0.30	Actual Distance Value			●	
P9.0.31~ P9.0.45	Reservation			●	
P9.0.46	Operation Result 1			●	
P9.0.47	Operation Result 2			●	
P9.0.48	Operation Result 3			●	
P9.0.49	Operation Result 4			●	
P9.0.50	User Standby Monitoring Value 1			●	
P9.0.51	User Standby Monitoring Value 2			●	
P9.0.52	User Standby Monitoring Value 3			●	
P9.0.53	User Standby Monitoring Value 4			●	
P9.0.54	User Standby Monitoring Value 5			●	