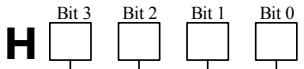
Appendix A Summary of User Parameters

Parameter No.	Name	Setting range	Setting unit	Factory setting	Power reboot	Remarks
P□000	Basic function selection switch	——	——	0010	Y	



Rotation direction selection

0	CCW (couter clockwise) is the positive rotation direction
1	CW (clockwise) is the positive rotation direction (in reserve mode)

Control mode selection

0	Speed control (analog reference)
1	Position control (pulse train reference)
2	Torque control (analog reference)
3	Internal set speed control (contact reference)
4	Internal set speed control (contact reference) ←→ Speed control (analog reference)
5	Internal set speed control (contact reference) ←→ Position control (pulse train reference)
6	Internal set speed control (contact reference) ←→ Torque control (analog reference)
7	Position control (pulse train reference) ←→ Speed control (analog reference)
8	Position control (pulse train reference) ←→ Speed control (analog reference)
9	Torque control (analog reference) ←→ Speed control (analog reference)
A	Speed control (analog reference) ←→ Zero clamping
B	Position control (pulse train reference) ←→ Position control (pulse prohibited)
C	Internal position control

Stop method when servo is OFF

0	Reverse braking the motor decelerates to a stop, then Set it to free-running status
1	Set motor to inertial operation state

Stop method during overtravel (OT)

0	Reverse braking the motor decelerates to a stop, then Set it to free-running status
1	Reverse braking the motor decelerates to a stop, then Set it to free-running status
2	Set motor to inertial operation state

P□001	Basic function selection switch 1	——	——	0001	Y	

Parameter No.	Name	Setting range	Setting unit	Factory setting	Power reboot	Remarks
	H Bit 3 Bit 2 Bit 1 Bit 0					

Use method of encoder

0	Use absolute encoder as absolute encoder and enable serial output of absolute data (PG frequency dividing PAO□)
1	Use absolute encoder as incremental encoder
2	Use absolute encoder as absolute encoder and disable serial output of absolute data

Speed control option (T-REF distribution)

0	N A
1	Use T-REF as external torque limit input
2	Use T-REF as torque feedforward input
3	Use T-REF as external torque limit input when P-CL and N-CL are enabled

Torque control option (V-REF distribution)

0	N A
1	Use V-REF as external torque limit input

Accelerated speed feedforward mode selection

0	Accelerated speed feedforward type 1 (filtering calculation)
1	Accelerated speed feedforward type 2 (rapid calculation)

P□002	Basic function selection switch 2	——	——	1100	Y	

H Bit 3 Bit 2 Bit 1 Bit 0

Second electronic gear enabled

0	Disable second electronic gear and use /P-CON signal as P/PI switch
1	Enable second electronic gear and use /P-CON signal as second electronic gear switch

Preset constant (do not change)

0	Reserved
1	Reserved

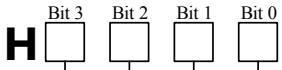
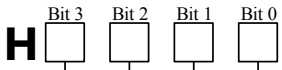
Preset constant (do not change)

0	Reserved
1	Reserved

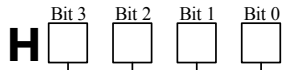
Preset constant (do not change)

0	Reserved
1	Reserved

P□003	Basic function selection switch 3	——	——	0000	Y	

Parameter No.	Name	Setting range	Setting unit	Factory setting	Power reboot	Remarks
						
	Common encoder (non-serial encoder) alarm enable switch 0 Disable A05 - A08 or b05 - b08 alarm detection 1 Enable A05 - A08 or b05 - b08 alarm detection					
	Preset constant (do not change) 0 Reserved 1 Reserved					
	Momentary outage alarm enable switch 0 No alarm for momentary outage of one cycle 1 Alarm for momentary outage of one cycle					
	Overload enhancement enable switch 0 Disable overload enhancement function 1 Enable overload enhancement function (enhance overload capacity, suitable for occasion with frequent start and stop)					
P□004	Basic function selection switch 4	——	——	0100	Y	
						
	Preset constant (do not change) 0 Reserved 1 Reserved					
	Preset constant (do not change) 0 Reserved					
	Low-frequency jitter suppression enable switch 0 Disable low-frequency jitter suppression 1 Enable low-frequency jitter suppression					
	Bit 3 0 Disable out-of-tolerance alarm detection 1 Enable out-of-tolerance alarm detection (alarm will be given when offset counter value exceeds P□504)					
P□100	Speed loop gain	1 ~ 2500	0.1 Hz	400	N	
P□101	Speed loop integral time constant	1 ~ 4000	0.01ms	2000	N	
P□102	Position loop gain	1 ~ 2000	0.1/s	400	N	
P□103	Moment of inertia ratio	0 ~ 20000	1 %	0	N	
P□104	Second speed loop gain	1 ~ 2500	0.1 Hz	400	N	
P□105	Second speed loop integral time constant	1 ~ 4000	0.01ms	2000	N	
P□106	Second position loop gain	1 ~ 2000	0.1/s	400	N	
P□107	Offset (speed offset)	0 ~ 450	1r/min	0	N	
P□108	Scope of offset stack	0 ~ 5000	1-reference pulse	10	N	
P□109	Feedforward gain	0 ~ 100	1 %	0	N	
P□110	Feedforward filter time constant	0 ~ 640	0.1ms	0	N	
P□111	Accelerated speed freeforward percentage	0 ~ 100	1 %	0	N	

Parameter No.	Name	Setting range	Setting unit	Factory setting	Power reboot	Remarks
P□112	Accelerated speed feedforward filter time constant	0 ~ 640	0.1ms	0	N	
P□113	Application function for gain select switch	0000 ~ 0064	——	0000	Y	



Module switch selection

0	Use internal torque reference as the condition (level setting: P□114)
1	Use speed as the condition (level setting: P□115)
2	Use acceleration as the condition (level setting: P□116)
3	Use position error pulse as the condition (level setting: P□117)
4	No mode switch function

Selection of auto gain switch conditions

0	Non-auto gain switch (fixed to first group gain)
1	External switch gain switch (G-SEL signal)
2	Torque percentage switch
3	Switch only under position offset
4	Given accelerated speed value (10 r/min/s)
5	Given speed value
6	With position reference input

Reserved

Reserved

P□114	Mode switch (torque reference)	0 ~ 300	1 %	200	N	
P□115	Mode switch (speed reference)	0 ~ 10000	1r/min	0	N	
P□116	Mode switch (accelerated speed reference)	0 ~ 3000	10 r/min/s	0	N	
P□117	Mode switch (offset pulse)	0 ~ 10000	1-reference pulse	0	N	
P□118	Gain switch delay time	0 ~ 20000	0.1 ms (single axis)	0	N	0.2 ms (double axis)
P□119	Gain switch range	0 ~ 20000	free	0	N	
	When P□113.1 = 2, the unit is 1% When P□113.1 = 3, the unit is 1 reference pulse When P□113.1 = 4, the unit is 10 r/min/s When P□113.1 = 5, the unit is 1 r/min When P□113.1 = 6, the unit is 1 reference pulse					
P□120	Position gain switch time	0 ~ 20000	0.1 ms (single axis)	0	N	0.2 ms (double axis)
P□121	Gain switch hysteresis	0 ~ 20000	1-reference pulse	0	N	
P□122	Friction load	0 ~ 3000	1‰	0	N	
P□123	Friction compensation speed hysteresis area	0 ~ 100	1r/min	0	Y	
P□124	Viscous friction load	0 ~ 20000	1 ‰/1 krpm	0	N	
P□125	Friction gain	0 ~ 30000		0	N	

Parameter No.	Name	Setting range	Setting unit	Factory setting	Power reboot	Remarks
P□126	Speed observer period	0 ~ 100	0.1ms	0/35/70	N	
P□127	Online autotune switches	——	——	1340	Y/N	

H Bit 3 Bit 2 Bit 1 Bit 0

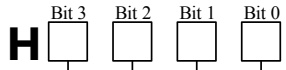
Real-time auto gain setting		Power reboot
0	Non-real-time auto gain adjustment	Y
1	Normal mode (suitable for operations without change in load inertia)	
2	Normal mode (suitable for operations with little change in load inertia)	
3	Normal mode (suitable for operations with great change in load inertia)	
4	Vertical load (suitable for operations without change in load inertia)	
5	Vertical load (suitable for operations with little change in load inertia)	
6	Vertical load (suitable for operations with great change in load inertia)	

Selection of machine stiffness for real-time auto gain		Power reboot
0 ... F	Machine stiffness during real-time auto gain adjustment may be selected. The larger the parameter value is, the quicker the response will be. If this parameter is set very high all at once, system gain will change significantly, leading to great shock to machine. It is recommended to set a small value and gradually select larger stiffness while monitoring operating status of machine.	N

Reserved

Normal auto adjustment mode setting		Power reboot
0	Rotating circles: 1; direction: CCW → CW	N
1	Rotating circles: 2; direction: CCW → CW	
2	Rotating circles: 3; direction: CCW → CW	
3	Rotating circles: 4; direction: CCW → CW	
4	Rotating circles: 1; direction: CW → CCW	
5	Rotating circles: 2; direction: CW → CCW	
6	Rotating circles: 3; direction: CW → CCW	
7	Rotating circles: 4; direction: CW → CCW	

P□200	Position control reference form selection switch	——	——	0000	Y	

Parameter No.	Name	Setting range	Setting unit	Factory setting	Power reboot	Remarks
						

Offset pulse clearing method

0	Clear error pulse(servo OFF); Does not clear error pulse(over travel)
1	Does not clear offset pulse(servo OFF or over travel)
2	Clear offset pulse (servo OFF or over travel ,except for zero clamping position)

Reference pulse form

0	Sign + pulse
1	CW+CCW
2	A phase + B phase (1x frequency)
3	A phase + B phase (2x frequency)
4	A phase + B phase (4x frequency)

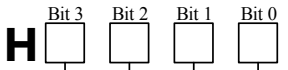
Reverse setting of reference pulse signal

0	Does not reverse PULS and SIGN
1	Does not reverse PULS, reverse SIGN
2	Reverse PULS , does not reverse SIGN
3	Reverse PULS and SIGN

Filter selection

0	Bus driver signal reference input filter
1	Collector open-circuit signal reference input filter

P□201	PG frequency dividing	16 ~ 32768	1 P/rev	2500	Y	
P□202	First electronic gear ratio (numerator)	1 ~ 65535	——	1	Y	
P□203	First electronic gear ratio (denominator)	1 ~ 65535	——	1	Y	
P□204	Second electronic gear ratio (numerator)	1 ~ 65535	——	1	Y	
P□205	Position reference acceleration/deceleration time constant	0 ~ 6400	0.1ms	0	N	
P□206	Position reference filter form selection	0 ~ 1	——	0	Y	
P□300	Speed reference input gain	0 ~ 3000	(r/min)/V	150	N	
P□301	Internal set speed 1	0 ~ 6000	1r/min	100	N	
P□302	Internal set speed 2	0 ~ 6000	1r/min	200	N	
P□303	Internal set speed 3	0 ~ 6000	1r/min	300	N	
P□304	Jogging (JOG) speed	0 ~ 6000	1r/min	500	N	
P□305	Acceleration time of soft start	0 ~ 10000	1 ms	0	N	
P□306	Deceleration time of soft start	0 ~ 10000	1 ms	0	N	
P□307	Speed reference filter constant	0 ~ 10000	1 ms	0	N	
P□308	Rise time of S curve	0 ~ 10000	1 ms	0	N	
P□309	Speed reference curve form	——	——	0000	Y	

Parameter No.	Name	Setting range	Setting unit	Factory setting	Power reboot	Remarks
						
P□400	Torque reference input gain	10 ~ 100	0.1V/rated torque	30	N	
P□401	Torque reference filter time constant	0 ~ 250	0.1ms	4	N	
P□402	Second torque reference filter time constant	0 ~ 250	0.1ms	4	N	
P□403	Forward torque limit	0 ~ 300	1 %	300	N	
P□404	Reverse torque limit	0 ~ 300	1 %	300	N	
P□405	Forward external torque limit	0 ~ 300	1 %	100	N	
P□406	Reverse external torque limit	0 ~ 300	1 %	100	N	
P□407	Plug braking torq ue limit	0 ~ 300	1 %	300	N	
P□408	Speed limit during torque control	0 ~ 6000	1r/min	1500	N	
P□409	Frequency of notch filter section 1	50 ~ 5000	1Hz	5000	N	
P□410	Depth of notch filter section 1	0 ~ 100	——	10	N	
P□411	Frequency of notch filter section 2	50 ~ 5000	1 Hz	5000	N	
P□412	Depth of notch filter section 2	0 ~ 100	——	10	N	
P□413	Vibration frequency of B type	10 ~ 1000	0.1 Hz	1000	N	
P□414	Vibration damping of B type	0 ~ 200	——	25	N	
P□500	Positioning completion width	0 ~ 5000	1 reference unit	10	N	
P□501	Zero clamping level	0 ~ 3000	1r/min	10	N	
P□502	Rotation detection of electric level	0 ~ 3000	1r/min	20	N	
P□503	Same-speed signal detection width	0 ~ 100	1r/min	10	N	
P□504	Offset pulse overflow level	1 ~ 32767	256 reference unit	1024	N	
P□505	Waiting time of servo ON	0 ~ 2000	ms	0	N	
P□506	Brake command - delay time of servo OFF	0 ~ 500	10ms	0	N	
P□507	Level for output speed of brake command	0 ~ 6000	1r/min	100	N	

Soft start method

0	Trapezoid
1	S curve
2	Acceleration and deceleration filter

Acceleration and deceleration filter form

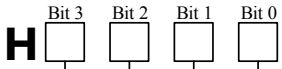
0	First filter
1	Second filter

Selection of S curve ratio

0	Close to linearity
1	Low
2	Medium
3	High

Reserved

Parameter No.	Name	Setting range	Setting unit	Factory setting	Power reboot	Remarks
P□508	Brake command wait time when servo is OFF	10 ~ 100	10ms	50	N	
P□509	Input signal selection 1	——	——	4321	Y	8765 (double axis/b)



/S-ON signal distribution

0	Set signal fixed to be "inactive"
1	Active when IN1 (CN3-14) input signal is ON
2	Active when IN2 (CN3-15) input signal is ON
3	Active when IN3 (CN3-16) input signal is ON
4	Active when IN4 (CN3-17) input signal is ON
5	Active when IN5 (CN3-39) input signal is ON
6	Active when IN6 (CN3-40) input signal is ON
7	Active when IN7 (CN3-41) input signal is ON
8	Active when IN8 (CN3-42) input signal is ON
9	Set signal fixed to be "active"

/P-CON signal distribution (P control when input signal is ON)

0-9	Ditto

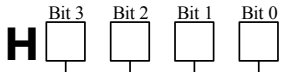
P-OT signal distribution (positive rotation drive prohibited when OFF)

0	Set signal fixed to be "positive rotation drive prohibited"
1	Active when IN1 (CN3-14) input signal is ON
2	Active when IN2 (CN3-15) input signal is ON
3	Active when IN3 (CN3-16) input signal is ON
4	Active when IN4 (CN3-17) input signal is ON
5	Active when IN5 (CN3-39) input signal is ON
6	Active when IN6 (CN3-40) input signal is ON
7	Active when IN7 (CN3-41) input signal is ON
8	Active when IN8 (CN3-42) input signal is ON
9	Set signal fixed to be "positive rotation drive allowed"

N-OT signal distribution (negative drive prohibited when input signal is OFF)

0	Set signal fixed to be "negative rotation side drive prohibited"
1	Active when IN1 (CN3-14) input signal is ON
2	Active when IN2 (CN3-15) input signal is ON
3	Active when IN3 (CN3-16) input signal is ON
4	Active when IN4 (CN3-17) input signal is ON
5	Active when IN5 (CN3-39) input signal is ON
6	Active when IN6 (CN3-40) input signal is ON
7	Active when IN7 (CN3-41) input signal is ON
8	Active when IN8 (CN3-42) input signal is ON
9	Set signal fixed to be "negative rotation side drive allowed"

Parameter No.	Name	Setting range	Setting unit	Factory setting	Power reboot	Remarks
P□510	Input signal selection 2	——	——	8765 (single axis)	Y	0000 (double axis)



/ALM-RST signal distribution (Clear alarm when turning from OFF to ON)

0	Set signal fixed to be "OFF"
1	Active when IN1 (CN3-14) input signal is ON
2	Active when IN2 (CN3-15) input signal is ON
3	Active when IN3 (CN3-16) input signal is ON
4	Active when IN4 (CN3-17) input signal is ON
5	Active when IN5 (CN3-39) input signal is ON
6	Active when IN6 (CN3-40) input signal is ON
7	Active when IN7 (CN3-41) input signal is ON
8	Active when IN8 (CN3-42) input signal is ON
9	Set signal fixed to be "ON"

/CLR signal distribution

0-9	Same with /S-ON signal conversion

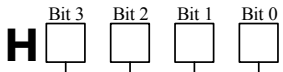
/P-CL signal distribution

0-9	Ditto

/N-CL signal distribution

0-9	Ditto

Parameter No.	Name	Setting range	Setting unit	Factory setting	Power reboot	Remarks
P□511	Input signal selection 3	——	——	0000	Y	



/G-SEL signal distribution

0-9	Same with /S-ON signal conversion

/POS0 signal distribution

0-9	Ditto

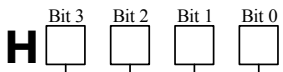
/POS1 signal distribution

0-9	Ditto

/POS2 signal distribution

0-9	Ditto

Parameter No.	Name	Setting range	Setting unit	Factory setting	Power reboot	Remarks
P□512	Input signal selection 4	——	——	0000	Y	



/HOME-REF

0-9	Same with /S-ON signal conversion

/POS-START

0-9	Same with /S-ON signal conversion

/POS-STEP

0-9	Same with /S-ON signal conversion

/POS-START-HOME

0-9	Same with /S-ON signal conversion

Parameter No.	Name	Setting range	Setting unit	Factory setting	Power reboot	Remarks
P□513	Output signal selection 1	——	——	4321	Y	0321 (double axis/A) 0654 (double axis/b)

H □ Bit 3 □ Bit 2 □ Bit 1 □ Bit 0

Servo alarm signal distribution (ALM)

0	Inactive (not using the signal)
1	Output such signal via OUT1 (CN3-7 and CN3-8)
2	Output such signal via OUT2 (CN3-9 and CN3-10)
3	Output such signal via OUT3 (CN3-11 and CN3-12)
4	Output such signal via OUT4 (CN3-32 and CN3-33)
5	Output such signal via OUT5 (CN3-34 and CN3-35)
6	Output such signal via OUT6 (CN3-36 and CN3-37)

Positioning completion signal distribution (/COIN)/same-speed detection signal distribution (/V-CMP)

0-6	Ditto

Motor rotation detection signal distribution (/TGON)

0-6	Ditto

Servo ready signal distribution (/S-RDY)

0-6	Ditto

P□514	Output signal selection 2	——	——	0065	Y	0000 (double axis)

H □ Bit 3 □ Bit 2 □ Bit 1 □ Bit 0

Torque limit output signal distribution (/CLT)

0-6	Same with ALM signal conversion

Brake signal distribution (/BK)

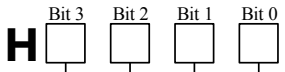
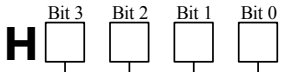
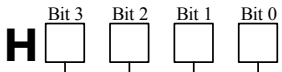
0-6	Ditto

Encoder origin signal distribution (/PGC)

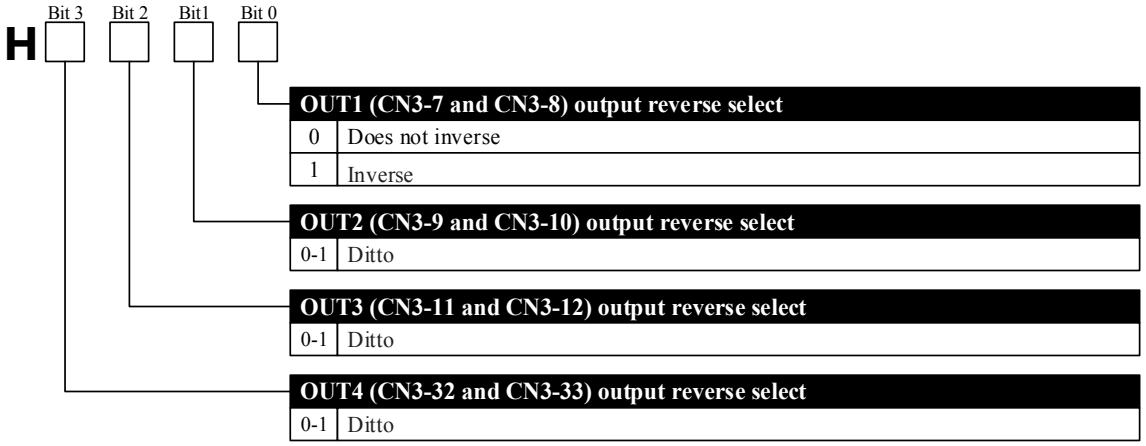
0-6	Ditto

Reserved

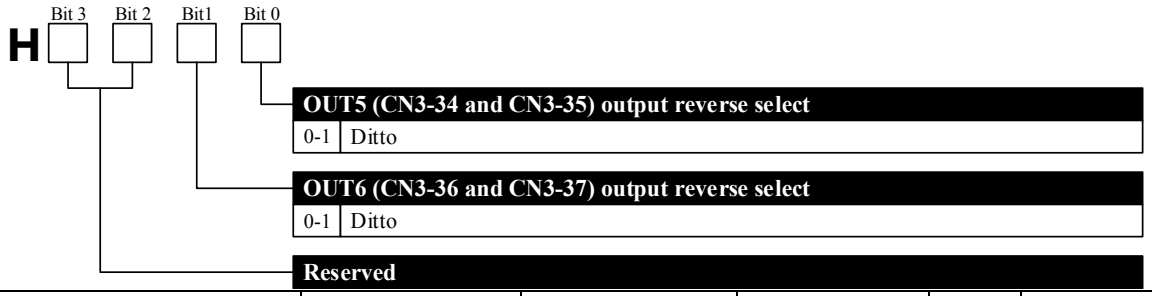
P□515	Output signal selection 3	——	——	0000	Y	

Parameter No.	Name	Setting range	Setting unit	Factory setting	Power reboot	Remarks
	 **Current data set number bit 0 signal distribution when internal position control is in place (/InPosNum0)** 0-6 Ditto **Current data set number bit 1 signal distribution when internal position control is in place (/InPosNum1)** 0-6 Ditto **Current data set number bit 2 signal distribution when internal position control is in place (/InPosNum2)** 0-6 Ditto **Current data set number bit 3 signal distribution when internal position control is in place (/InPosNum3)** 0-6 Ditto					
P□516	Reserved	——	——	——	N	
P□517	Input port filter time constant	0 ~ 1000	0.1ms	1	N	
P□518	Alarm input filter time constant	0 ~ 3	0.1ms	1	N	
P□519	Active input port signal level selection 1	——	——	0000	N	
	 **CN3-14 active input level selection** 0 Active when input signal is ON (L level) 1 Active when input signal is OFF (H level) **CN3-15 active input level selection** 0-1 Ditto **CN3-16 active input level selection** 0-1 Ditto **CN3-17 active input level selection** 0-1 Ditto					
P□520	Input port signal logic selection 2	——	——	0000	N	
	 **CN3-39 active input level selection** 0-1 Same with CN3-14 input level selection **CN3-40 active input level selection** 0-1 Ditto **CN3-41 active input level selection** 0-1 Ditto **CN3-42 active input level selection** 0-1 Ditto					

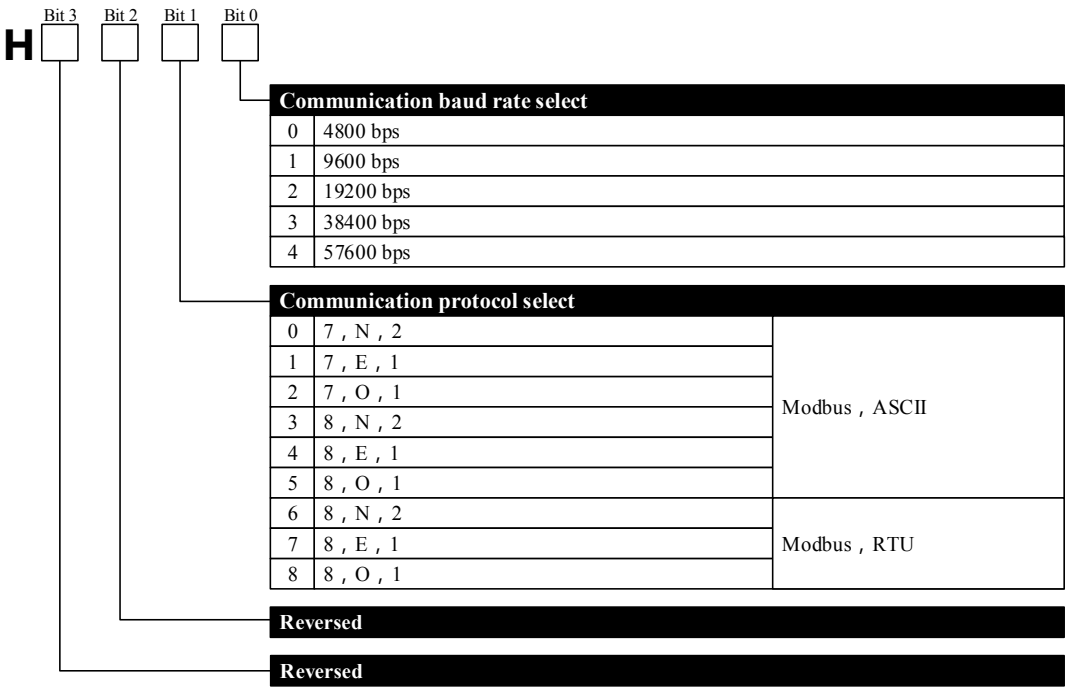
Parameter No.	Name	Setting range	Setting unit	Factory setting	Power reboot	Remarks
P□521	Output port signal reverse select 1	——	——	0000	N	



P□522	Output port signal inverse select 2	——	——	0000	N	



P□600	RS-485 communication parameter selection switch	——	——	0151	Y	



P□601	RS-485 communication axis address	1 ~ 127	——	1 (A axis)	Y	2 (b axis)
P□602	RS-485 communication timeout	0 ~ 1000	100 ms	0	N	

Parameter No.	Name	Setting range	Setting unit	Factory setting	Power reboot	Remarks
	parameter					
P□603	Reserved	——	——	0000	N	
P□604	Reserved	——	——	0000	N	
P□605	Reserved	——	——	0000	N	
P□606	Reserved	——	——	0000	N	
P□607	Reserved	——	——	0000	N	
P□608	Reserved	——	——	0000	N	
P□609	Reserved	——	——	0000	N	
P□610	Type of data set 8	0 ~ 2	——	0	Y	
	0: data set is null 1: data set is in absolute motion 2: data set is in relative motion					
P□611	Low byte value of Data Set 8	-9999~+9999	1-reference pulse	0	Y	
P□612	High byte value of Data Set 8	-9999~+9999	10000-reference pulse	0	Y	
P□613	Speed of data set 8	0 ~ 6000	rpm	100	Y	
P□614	Step change attribute in Data Set 8	——	——	0000	Y	

H Bit 3 Bit 2 Bit 1 Bit 0

Data set step change condition 1 type

0	No condition
1	Delay
2	Pulse edge of signal input (/POS-STEP)
3	Level of signal input (/POS-STEP)

Data set step change condition 2 type

0	No condition
1	Delay
2	Pulse edge of signal input (/POS-POS0)
3	Level of signal input (/POS-POS0)

Logic between step change condition 1 and 2

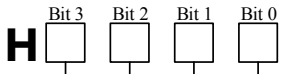
0	No conjunction
1	AND
2	OR

Step change transitional manner

0	Aborting
1	Standard
2	Buffered
3	BlendingLow
4	BlendingPrevious
5	BlendingNext
6	BlendingHigh

P□615	Step change condition value 1 in data set 8	0 ~ 65535	——	0	Y	
	-Unconditional: no transitional condition value - Delay: value 0 ~ 65535: latency time 0 ~ 65535, unit: ms					

Parameter No.	Name	Setting range	Setting unit	Factory setting	Power reboot	Remarks
	- Pulse edge required for step change: Value 0: rising edge Value 1: falling edge Value 2: rising edge or falling edge - Level required for step change: Value 3: 1 level Value 4: 0 level					
P□616	Step change condition value 2 in data set 8	0 ~ 65535	——	0	Y	
	Ditto					
P□617	Follow-up data set number of data set 8	0 ~ 14	——	9	Y	
P□618	Type of data set 9	0 ~ 2	——	0	Y	
	0: data set is null 1: data set is in absolute motion 2: data set is in relative motion					
P□619	Low byte value of Data Set 9	-9999~+9999	1-reference pulse	0	Y	
P□620	High byte value of Data Set 9	-9999~+9999	10000-reference pulse	0	Y	
P□621	Speed of data set 9	0 ~ 6000	rpm	100	Y	
P□622	Step change attribute in Data Set 9	——	——	0000	Y	



Data set step change condition 1 type	
0	No condition
1	Delay
2	Pulse edge of signal input (/POS-STEP)
3	Level of signal input (/POS-STEP)

Data set step change condition 2 type	
0	No condition
1	Delay
2	Pulse edge of signal input (/POS-POS0)
3	Level of signal input (/POS-POS0)

Logic between step change condition 1 and 2	
0	No conjunction
1	AND
2	OR

Step change transitional manner	
0	Aborting
1	Standard
2	Buffered
3	BlendingLow
4	BlendingPrevious
5	BlendingNext
6	BlendingHigh

Parameter No.	Name	Setting range	Setting unit	Factory setting	Power reboot	Remarks
P□623	Step change condition value 1 in data set 9	0 ~ 65535	——	0	Y	
	- Unconditional: no transitional condition value - Delay: value 0 ~ 65535: latency time0 ~ 65535, unit: ms - Pulse edge required for step change: Value 0: rising edge Value 1: falling edge Value 2: rising edge or falling edge - Level required for step change: Value 3: 1 level Value 4: 0 level					
P□624	Step change condition value 2 in data set 9	0 ~ 65535	——	0	Y	
	Ditto					
P□625	Follow-up data set number of data set 9	0 ~ 14	——	10	Y	
P□626	Type of data set 10	0 ~ 2	——	0	Y	
	0: data set is null 1: data set is in absolute motion 2: data set is in relative motion					
P□627	Low byte value of Data Set 10	-9999~+9999	1-reference pulse	0	Y	
P□628	High byte value of Data Set 10	-9999~+9999	10000-reference pulse	0	Y	
P□629	Speed of data set 10	0 ~ 6000	rpm	100	Y	
P□630	Step change attribute in Data Set 10	——	——	0000	Y	

Parameter No.	Name	Setting range	Setting unit	Factory setting	Power reboot	Remarks

H Bit 3 Bit 2 Bit 1 Bit 0

Data set step change condition 1 type

0	No condition
1	Delay
2	Pulse edge of signal input (/POS-STEP)
3	Level of signal input (/POS-STEP)

Data set step change condition 2 type

0	No condition
1	Delay
2	Pulse edge of signal input (/POS-POS0)
3	Level of signal input (/POS-POS0)

Logic between step change condition 1 and 2

0	No conjunction
1	AND
2	OR

Step change transitional manner

0	Aborting
1	Standard
2	Buffered
3	BlendingLow
4	BlendingPrevious
5	BlendingNext
6	BlendingHigh

P□631	Step change condition value 1 in data set 10	0 ~ 65535	——	0	Y	
	- Unconditional: no transitional condition value - Delay: value 0 ~ 65535: latency time 0 ~ 65535, unit: ms - Pulse edge required for step change: Value 0: rising edge Value 1: falling edge Value 2: rising edge or falling edge - Level required for step change: Value 3: 1 level Value 4: 0 level					
P□632	Step change condition value 2 in data set 10	0 ~ 65535	——	0	Y	
	Ditto					
P□633	Follow-up data set number of data set 10	0 ~ 14	——	11	Y	
P□634	Type of data set 11	0 ~ 2	——	0	Y	
	0: data set is null 1: data set is in absolute motion 2: data set is in relative motion					
P□635	Low byte value of Data Set 11	-9999~+9999	1-reference pulse	0	Y	

Parameter No.	Name	Setting range	Setting unit	Factory setting	Power reboot	Remarks
P□636	High byte value of Data Set 11	-9999~+9999	10000-reference pulse	0	Y	
P□637	Speed of data set 11	0 ~ 6000	rpm	100	Y	
P□638	Step change attribute in Data Set 11	——	——	0000	Y	

H Bit 3 Bit 2 Bit 1 Bit 0

Data set step change condition 1 type	
0	No condition
1	Delay
2	Pulse edge of signal input (/POS-STEP)
3	Level of signal input (/POS-STEP)

Data set step change condition 2 type	
0	No condition
1	Delay
2	Pulse edge of signal input (/POS-POS0)
3	Level of signal input (/POS-POS0)

Logic between step change condition 1 and 2	
0	No conjunction
1	AND
2	OR

Step change transitional manner	
0	Aborting
1	Standard
2	Buffered
3	BlendingLow
4	BlendingPrevious
5	BlendingNext
6	BlendingHigh

P□639	Step change condition value 1 in data set 11	0 ~ 65535	——	0	Y	

- Unconditional: no transitional condition value
- Delay: value 0 ~ 65535: latency time 0 ~ 65535, unit: ms
- Pulse edge required for step change:
  - Value 0: rising edge
  - Value 1: falling edge
  - Value 2: rising edge or falling edge
- Level required for step change:
  - Value 3: 1 level
  - Value 4: 0 level

P□640	Step change condition value 2 in data set 11	0 ~ 65535	——	0	Y	
	Ditto					
P□641	Follow-up data set number of data set 11	0 ~ 14	——	12	Y	

Parameter No.	Name	Setting range	Setting unit	Factory setting	Power reboot	Remarks
P□642	Type of data set 12	0 ~ 2	——	0	Y	
	0: data set is null 1: data set is in absolute motion 2: data set is in relative motion					
P□643	Low byte value of Data Set 12	-9999~+9999	1-reference pulse	0	Y	
P□644	High byte value of Data Set 12	-9999~+9999	10000-reference pulse	0	Y	
P□645	Speed of data set 12	0 ~ 6000	rpm	100	Y	
P□646	Step change attribute in Data Set 12	——	——	0000	Y	

H Bit 3 Bit 2 Bit 1 Bit 0

Data set step change condition 1 type

0	No condition
1	Delay
2	Pulse edge of signal input (/POS-STEP)
3	Level of signal input (/POS-STEP)

Data set step change condition 2 type

0	No condition
1	Delay
2	Pulse edge of signal input (/POS-POS0)
3	Level of signal input (/POS-POS0)

Logic between step change condition 1 and 2

0	No conjunction
1	AND
2	OR

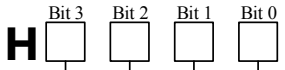
Step change transitional manner

0	Aborting
1	Standard
2	Buffered
3	BlendingLow
4	BlendingPrevious
5	BlendingNext
6	BlendingHigh

P□647	Step change condition value 1 in data set 12	0 ~ 65535	——	0	Y	

- Unconditional: no transitional condition value
- Delay: value 0 ~ 65535: latency time 0 ~ 65535, unit: ms
- Pulse edge required for step change:
  - Value 0: rising edge
  - Value 1: falling edge
  - Value 2: rising edge or falling edge
- Level required for step change:
  - Value 3: 1 level
  - Value 4: 0 level

Parameter No.	Name	Setting range	Setting unit	Factory setting	Power reboot	Remarks
P□648	Step change condition value 2 in data set 12	0 ~ 65535	——	0	Y	
	Ditto					
P□649	Follow-up data set number of data set 12	0 ~ 14	——	13	Y	
P□650	Type of data set 13	0 ~ 2	——	0	Y	
	0: data set is null 1: data set is in absolute motion 2: data set is in relative motion					
P□651	Low byte value of Data Set 13	-9999~+9999	1-reference pulse	0	Y	
P□652	High byte value of Data Set 13	-9999~+9999	10000-reference pulse	0	Y	
P□653	Speed of data set 13	0 ~ 6000	rpm	100	Y	
P□654	Step change attribute in Data Set 13	——	——	0000	Y	



Data set step change condition 1 type	
0	No condition
1	Delay
2	Pulse edge of signal input (/POS-STEP)
3	Level of signal input (/POS-STEP)

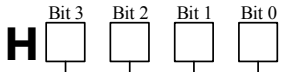
Data set step change condition 2 type	
0	No condition
1	Delay
2	Pulse edge of signal input (/POS-POS0)
3	Level of signal input (/POS-POS0)

Logic between step change condition 1 and 2	
0	No conjunction
1	AND
2	OR

Step change transitional manner	
0	Aborting
1	Standard
2	Buffered
3	BlendingLow
4	BlendingPrevious
5	BlendingNext
6	BlendingHigh

P□655	Step change condition value 1 in data set 13	0 ~ 65535	——	0	Y	
	- Unconditional: no transitional condition value - Delay: value 0 ~ 65535: latency time0 ~ 65535, unit: ms - Pulse edge required for step change: Value 0: rising edge					

Parameter No.	Name	Setting range	Setting unit	Factory setting	Power reboot	Remarks
	Value 1: falling edge Value 2: rising edge or falling edge - Level required for step change: Value 3: 1 level Value 4: 0 level					
P□656	Step change condition value 2 in data set 13	0 ~ 65535	——	0	Y	
	Ditto					
P□657	Follow-up data set number of data set 13	0 ~ 14	——	14	Y	
P□658	Type of data set 14	0 ~ 2	——	0	Y	
	0: data set is null 1: data set is in absolute motion 2: data set is in relative motion					
P□659	Low byte value of Data Set 14	-9999~+9999	1-reference pulse	0	Y	
P□660	High byte value of Data Set 14	-9999~+9999	10000-reference pulse	0	Y	
P□661	Speed of data set 14	0 ~ 6000	rpm	100	Y	
P□662	Step change attribute in Data Set 14	——	——	0000	Y	
P□663	Step change condition value 1 in	0 ~ 65535	——	0	Y	



Data set step change condition 1 type	
0	No condition
1	Delay
2	Pulse edge of signal input (/POS-STEP)
3	Level of signal input (/POS-STEP)

Data set step change condition 2 type	
0	No condition
1	Delay
2	Pulse edge of signal input (/POS-POS0)
3	Level of signal input (/POS-POS0)

Logic between step change condition 1 and 2	
0	No conjunction
1	AND
2	OR

Step change transitional manner	
0	Aborting
1	Standard
2	Buffered
3	BlendingLow
4	BlendingPrevious
5	BlendingNext
6	BlendingHigh

Parameter No.	Name	Setting range	Setting unit	Factory setting	Power reboot	Remarks
	data set 14					
	- Unconditional: no transitional condition value - Delay: value 0 ~ 65535: latency time0 ~ 65535, unit: ms - Pulse edge required for step change: Value 0: rising edge Value 1: falling edge Value 2: rising edge or falling edge - Level required for step change: Value 3: 1 level Value 4: 0 level					
P□664	Step change condition value 2 in data set 14	0 ~ 65535	——	0	Y	
	Ditto					
P□665	Follow-up data set number of data set 14	0 ~ 14	——	0	Y	
P□700	Type of data set 0	0 ~ 2	——	0	Y	
	0: data set is null 1: data set is in absolute motion 2: data set is in relative motion					
P□701	Low byte value of Data Set 0	-9999~+9999	1-reference pulse	0	Y	
P□702	High byte value of Data Set 0	-9999~+9999	10000-reference pulse	0	Y	
P□703	Speed of data set 0	0 ~ 6000	rpm	100	Y	
P□704	Step change attribute in Data Set 0	——	——	0000	Y	

Parameter No.	Name	Setting range	Setting unit	Factory setting	Power reboot	Remarks
	H Bit 3 Bit 2 Bit 1 Bit 0					

Data set step change condition 1 type

0	No condition
1	Delay
2	Pulse edge of signal input (/POS-STEP)
3	Level of signal input (/POS-STEP)

Data set step change condition 2 type

0	No condition
1	Delay
2	Pulse edge of signal input (/POS-POS0)
3	Level of signal input (/POS-POS0)

Logic between step change condition 1 and 2

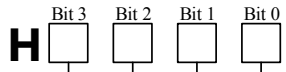
0	No conjunction
1	AND
2	OR

Step change transitional manner

0	Aborting
1	Standard
2	Buffered
3	BlendingLow
4	BlendingPrevious
5	BlendingNext
6	BlendingHigh

P□705	Step change condition value 1 in data set 0	0 ~ 65535	——	0	Y	
	- Unconditional: no transitional condition value - Delay: value 0 ~ 65535: latency time 0 ~ 65535, unit: ms - Pulse edge required for step change: Value 0: rising edge Value 1: falling edge Value 2: rising edge or falling edge - Level required for step change: Value 3: 1 level Value 4: 0 level					
P□706	Step change condition value 2 in data set 0	0 ~ 65535	——	0	Y	
	Ditto					
P□707	Follow-up data set number of data set 0	0 ~ 14	——	1	Y	
P□708	Type of data set 1	0 ~ 2	——	0	Y	
	0: data set is null 1: data set is in absolute motion 2: data set is in relative motion					
P□709	Low byte value of Data Set 1	-9999~+9999	1-reference pulse	0	Y	

Parameter No.	Name	Setting range	Setting unit	Factory setting	Power reboot	Remarks
P□710	High byte value of Data Set 1	-9999~+9999	10000-reference pulse	0	Y	
P□711	Speed of data set 1	0 ~ 6000	rpm	100	Y	
P□712	Step change attribute in Data Set 1	——	——	0000	Y	



Data set step change condition 1 type	
0	No condition
1	Delay
2	Pulse edge of signal input (/POS-STEP)
3	Level of signal input (/POS-STEP)

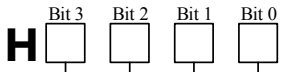
Data set step change condition 2 type	
0	No condition
1	Delay
2	Pulse edge of signal input (/POS-POS0)
3	Level of signal input (/POS-POS0)

Logic between step change condition 1 and 2	
0	No conjunction
1	AND
2	OR

Step change transitional manner	
0	Aborting
1	Standard
2	Buffered
3	BlendingLow
4	BlendingPrevious
5	BlendingNext
6	BlendingHigh

P□713	Step change condition value 1 in data set 1	0 ~ 65535	——	0	Y	
	- Unconditional: no transitional condition value - Delay: value 0 ~ 65535: latency time0 ~ 65535, unit: ms - Pulse edge required for step change: Value 0: rising edge Value 1: falling edge Value 2: rising edge or falling edge - Level required for step change: Value 3: 1 level Value 4: 0 level					
P□714	Step change condition value 2 in data set 1	0 ~ 65535	——	0	Y	
	Ditto					
P□715	Follow-up data set number of data set 1	0 ~ 14	——	2	Y	
P□716	Type of data set 2	0 ~ 2	——	0	Y	

Parameter No.	Name	Setting range	Setting unit	Factory setting	Power reboot	Remarks
	0: data set is null 1: data set is in absolute motion 2: data set is in relative motion					
P□717	Low byte value of Data Set 2	-9999~+9999	1-reference pulse	0	Y	
P□718	High byte value of Data Set 2	-9999~+9999	10000-reference pulse	0	Y	
P□719	Speed of data set 2	0 ~ 6000	rpm	100	Y	
P□720	Step change attribute in Data Set 2	——	——	0000	Y	



Data set step change condition 1 type

0	No condition
1	Delay
2	Pulse edge of signal input (/POS-STEP)
3	Level of signal input (/POS-STEP)

Data set step change condition 2 type

0	No condition
1	Delay
2	Pulse edge of signal input (/POS-POS0)
3	Level of signal input (/POS-POS0)

Logic between step change condition 1 and 2

0	No conjunction
1	AND
2	OR

Step change transitional manner

0	Aborting
1	Standard
2	Buffered
3	BlendingLow
4	BlendingPrevious
5	BlendingNext
6	BlendingHigh

P□721	Step change condition value 1 in data set 2	0 ~ 65535	——	0	Y	
	- Unconditional: no transitional condition value - Delay: value 0 ~ 65535: latency time0 ~ 65535, unit: ms - Pulse edge required for step change: Value 0: rising edge Value 1: falling edge Value 2: rising edge or falling edge - Level required for step change: Value 3: 1 level Value 4: 0 level					
P□722	Step change condition value 2 in data set 2	0 ~ 65535	——	0	Y	

Parameter No.	Name	Setting range	Setting unit	Factory setting	Power reboot	Remarks
	Ditto					
P□723	Follow-up data set number of data set 2	0 ~ 14	——	3	Y	
P□724	Type of data set 3	0 ~ 2	——	0	Y	
	0: data set is null 1: data set is in absolute motion 2: data set is in relative motion					
P□725	Low byte value of Data Set 3	-9999~+9999	1-reference pulse	0	Y	
P□726	High byte value of Data Set 3	-9999~+9999	10000-reference pulse	0	Y	
P□727	Speed of data set 3	0 ~ 6000	rpm	100	Y	
P□728	Step change attribute in Data Set 3	——	——	0000	Y	

H Bit 3 Bit 2 Bit 1 Bit 0

Data set step change condition 1 type	
0	No condition
1	Delay
2	Pulse edge of signal input (/POS-STEP)
3	Level of signal input (/POS-STEP)

Data set step change condition 2 type	
0	No condition
1	Delay
2	Pulse edge of signal input (/POS-POS0)
3	Level of signal input (/POS-POS0)

Logic between step change condition 1 and 2	
0	No conjunction
1	AND
2	OR

Step change transitional manner	
0	Aborting
1	Standard
2	Buffered
3	BlendingLow
4	BlendingPrevious
5	BlendingNext
6	BlendingHigh

P□729	Step change condition value 1 in data set 3	0 ~ 65535	——	0	Y	
	- Unconditional: no transitional condition value - Delay: value 0 ~ 65535: latency time0 ~ 65535, unit: ms - Pulse edge required for step change: Value 0: rising edge Value 1: falling edge Value 2: rising edge or falling edge - Level required for step change:					

Parameter No.	Name	Setting range	Setting unit	Factory setting	Power reboot	Remarks
	Value 3: 1 level Value 4: 0 level					
P□730	Step change condition value 2 in data set 3	0 ~ 65535	——	0	Y	
	Ditto					
P□731	Follow-up data set number of data set 3	0 ~ 14	——	4	Y	
P□732	Type of data set 4	0 ~ 2	——	0	Y	
	0: data set is null 1: data set is in absolute motion 2: data set is in relative motion					
P□733	Low byte value of Data Set 4	-9999~+9999	1-reference pulse	0	Y	
P□734	High byte value of Data Set 4	-9999~+9999	10000-reference pulse	0	Y	
P□735	Speed of data set 4	0 ~ 6000	rpm	100	Y	
P□736	Step change attribute in Data Set 4	——	——	0000	Y	

H Bit 3 Bit 2 Bit 1 Bit 0

Data set step change condition 1 type

0	No condition
1	Delay
2	Pulse edge of signal input (/POS-STEP)
3	Level of signal input (/POS-STEP)

Data set step change condition 2 type

0	No condition
1	Delay
2	Pulse edge of signal input (/POS-POS0)
3	Level of signal input (/POS-POS0)

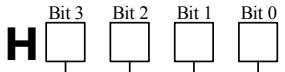
Logic between step change condition 1 and 2

0	No conjunction
1	AND
2	OR

Step change transitional manner

0	Aborting
1	Standard
2	Buffered
3	BlendingLow
4	BlendingPrevious
5	BlendingNext
6	BlendingHigh

P□737	Step change condition value 1 in data set 4	0 ~ 65535	——	0	Y	
	- Unconditional: no transitional condition value - Delay: value 0 ~ 65535: latency time0 ~ 65535, unit: ms - Pulse edge required for step change:					

<table>
<tr><th>Parameter No.</th><th>Name</th><th>Setting range</th><th>Setting unit</th><th>Factory setting</th><th>Power reboot</th><th>Remarks</th></tr>
<tr><td></td><td colspan="6">Value 0: rising edge
Value 1: falling edge
Value 2: rising edge or falling edge
- Level required for step change:
Value 3: 1 level
Value 4: 0 level</td></tr>
<tr><td rowspan="2">P□738</td><td>Step change condition value 2 in data set 4</td><td>0 ~ 65535</td><td>——</td><td>0</td><td>Y</td><td></td></tr>
<tr><td colspan="6">Ditto</td></tr>
<tr><td>P□739</td><td>Follow-up data set number of data set 4</td><td>0 ~ 14</td><td>——</td><td>5</td><td>Y</td><td></td></tr>
<tr><td rowspan="2">P□740</td><td>Type of data set 5</td><td>0 ~ 2</td><td>——</td><td>0</td><td>Y</td><td></td></tr>
<tr><td colspan="6">0: data set is null
1: data set is in absolute motion
2: data set is in relative motion</td></tr>
<tr><td>P□741</td><td>Low byte value of Data Set 5</td><td>-9999~+9999</td><td>1-reference pulse</td><td>0</td><td>Y</td><td></td></tr>
<tr><td>P□742</td><td>High byte value of Data Set 5</td><td>-9999~+9999</td><td>10000-reference pulse</td><td>0</td><td>Y</td><td></td></tr>
<tr><td>P□743</td><td>Speed of data set 5</td><td>0 ~ 6000</td><td>rpm</td><td>100</td><td>Y</td><td></td></tr>
<tr><td>P□744</td><td>Step change attribute in Data Set 5</td><td>——</td><td>——</td><td>0000</td><td>Y</td><td></td></tr>
<tr><td></td><td colspan="6">


<table>
<tr><th colspan="2">Data set step change condition 1 type</th></tr>
<tr><td>0</td><td>No condition</td></tr>
<tr><td>1</td><td>Delay</td></tr>
<tr><td>2</td><td>Pulse edge of signal input (/POS-STEP)</td></tr>
<tr><td>3</td><td>Level of signal input (/POS-STEP)</td></tr>
</table>
<table>
<tr><th colspan="2">Data set step change condition 2 type</th></tr>
<tr><td>0</td><td>No condition</td></tr>
<tr><td>1</td><td>Delay</td></tr>
<tr><td>2</td><td>Pulse edge of signal input (/POS-POS0)</td></tr>
<tr><td>3</td><td>Level of signal input (/POS-POS0)</td></tr>
</table>
<table>
<tr><th colspan="2">Logic between step change condition 1 and 2</th></tr>
<tr><td>0</td><td>No conjunction</td></tr>
<tr><td>1</td><td>AND</td></tr>
<tr><td>2</td><td>OR</td></tr>
</table>
<table>
<tr><th colspan="2">Step change transitional manner</th></tr>
<tr><td>0</td><td>Aborting</td></tr>
<tr><td>1</td><td>Standard</td></tr>
<tr><td>2</td><td>Buffered</td></tr>
<tr><td>3</td><td>BlendingLow</td></tr>
<tr><td>4</td><td>BlendingPrevious</td></tr>
<tr><td>5</td><td>BlendingNext</td></tr>
<tr><td>6</td><td>BlendingHigh</td></tr>
</table>
</td></tr>
<tr><td>P□745</td><td>Step change condition value 1 in</td><td>0 ~ 65535</td><td>——</td><td>0</td><td>Y</td><td></td></tr>
</table>

Parameter No.	Name	Setting range	Setting unit	Factory setting	Power reboot	Remarks
	data set 5					
	- Unconditional: no transitional condition value - Delay: value 0 ~ 65535: latency time0 ~ 65535, unit: ms - Pulse edge required for step change: Value 0: rising edge Value 1: falling edge Value 2: rising edge or falling edge - Level required for step change: Value 3: 1 level Value 4: 0 level					
P□746	Step change condition value 2 in data set 5	0 ~ 65535	——	0	Y	
	Ditto					
P□747	Follow-up data set number of data set 5	0 ~ 14	——	6	Y	
P□748	Type of data set 6	0 ~ 2	——	0	Y	
	0: data set is null 1: data set is in absolute motion 2: data set is in relative motion					
P□749	Low byte value of Data Set 6	-9999~+9999	1-reference pulse	0	Y	
P□750	High byte value of Data Set 6	-9999~+9999	10000-reference pulse	0	Y	
P□751	Speed of data set 6	0 ~ 6000	rpm	100	Y	
P□752	Step change attribute in Data Set 6	——	——	0000	Y	

Parameter No.	Name	Setting range	Setting unit	Factory setting	Power reboot	Remarks
	H Bit 3 Bit 2 Bit 1 Bit 0					

Data set step change condition 1 type

0	No condition
1	Delay
2	Pulse edge of signal input (/POS-STEP)
3	Level of signal input (/POS-STEP)

Data set step change condition 2 type

0	No condition
1	Delay
2	Pulse edge of signal input (/POS-POS0)
3	Level of signal input (/POS-POS0)

Logic between step change condition 1 and 2

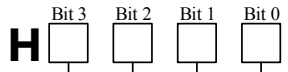
0	No conjunction
1	AND
2	OR

Step change transitional manner

0	Aborting
1	Standard
2	Buffered
3	BlendingLow
4	BlendingPrevious
5	BlendingNext
6	BlendingHigh

P□753	Step change condition value 1 in data set 6	0 ~ 65535	——	0	Y	
	- Unconditional: no transitional condition value - Delay: value 0 ~ 65535: latency time0 ~ 65535, unit: ms - Pulse edge required for step change: Value 0: rising edge Value 1: falling edge Value 2: rising edge or falling edge - Level required for step change: Value 3: 1 level Value 4: 0 level					
P□754	Step change condition value 2 in data set 6	0 ~ 65535	——	0	Y	
	Ditto					
P□755	Follow-up data set number of data set 6	0 ~ 14	——	7	Y	
P□756	Type of data set 7	0 ~ 2	——	0	Y	
	0: data set is null 1: data set is in absolute motion 2: data set is in relative motion					
P□757	Low byte value of Data Set 7	-9999~+9999	1-reference pulse	0	Y	

Parameter No.	Name	Setting range	Setting unit	Factory setting	Power reboot	Remarks
P□758	High byte value of Data Set 7	-9999~+9999	10000-reference pulse	0	Y	
P□759	Speed of data set 7	0 ~ 6000	rpm	100	Y	
P□760	Step change attribute in Data Set 7	——	——	0000	Y	



Data set step change condition 1 type	
0	No condition
1	Delay
2	Pulse edge of signal input (/POS-STEP)
3	Level of signal input (/POS-STEP)

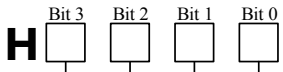
Data set step change condition 2 type	
0	No condition
1	Delay
2	Pulse edge of signal input (/POS-POS0)
3	Level of signal input (/POS-POS0)

Logic between step change condition 1 and 2	
0	No conjunction
1	AND
2	OR

Step change transitional manner	
0	Aborting
1	Standard
2	Buffered
3	BlendingLow
4	BlendingPrevious
5	BlendingNext
6	BlendingHigh

P□761	Step change condition value 1 in data set 7	0 ~ 65535	——	0	Y	
	- Unconditional: no transitional condition value - Delay: value 0 ~ 65535: latency time0 ~ 65535, unit: ms - Pulse edge required for step change: Value 0: rising edge Value 1: falling edge Value 2: rising edge or falling edge - Level required for step change: Value 3: 1 level Value 4: 0 level					
P□762	Step change condition value 2 in data set 7	0 ~ 65535	——	0	Y	
	Ditto					
P□763	Follow-up data set number of data set 7	0 ~ 14f	——	0	Y	
P□764	Data set start method	0 ~ 1	——	0	Y	

Parameter No.	Name	Setting range	Setting unit	Factory setting	Power reboot	Remarks
	0: internal method (single data set method) 1: task mode (data set sequence)					
P□765	Acceleration of data set	0 ~ 60000	10 rpm/s	10000	Y	
P□766	Deceleration of data set	0 ~ 60000	10 rpm/s	10000	Y	
P□767	Emergency deceleration of data set	0 ~ 60000	10 rpm/s	60000	Y	
P□768	Data set position electronic gear ratio (numerator)	1 ~ 65535	——	1	Y	
P□769	Data set position electronic gear ratio (denominator)	1 ~ 65535	——	1	Y	
P□770	Zero returning method selection switch	——	——	0000	Y	



Zero returning method setting

0	DS402 METHOD 35 (set current position as zero point)
1	DS402 METHOD 1 (for on-off operation of seeking for NOT switch in the reverse direction, C pulse is required)
2	DS402 METHOD 2 (for on-off operation of seeking for POT switch in the forward direction, C pulse is required)
3	DS402 METHOD 3 (for on-off operation of seeking for reference point switch in the forward direction, C pulse is required)
4	DS402 METHOD 4 (for on-off operation of seeking for reference point switch in the forward direction, C pulse is required)
5	DS402 METHOD 5 (for on-off operation of seeking for reference point switch in the reverse direction, C pulse is required)
6	DS402 METHOD 6 (for on-off operation of seeking for reference point switch in the reverse direction, C pulse is required)
7	DS402 METHOD 17 (for on-off operation of seeking for NOT switch in the reverse direction, C pulse is not required)
8	DS402 METHOD 18 (for on-off operation of seeking for POT switch in the forward direction, C pulse is not required)
9	DS402 METHOD 19 (for on-off operation of seeking for reference point switch in the forward direction, C pulse is not required)
10	DS402 METHOD 20 (for on-off operation of seeking for reference point switch in the forward direction, C pulse is not required)
11	DS402 METHOD 21 (for on-off operation of seeking for reference point switch in the reverse direction, C pulse is not required)
12	DS402 METHOD 22 (for on-off operation of seeking for reference point switch in the reverse direction, C pulse is not required)

Reserved

Reserved

Enable back zero switch when powering on

0	Do not switch on back zero when powering on
1	Switch on back zero automatically after the first SON when powering on

P□771	On-off speed to meet reference point	0 ~ 6000	rpm	100	Y	
P□772	On-off speed to leave reference	0 ~ 6000	rpm	30	Y	

Parameter No.	Name	Setting range	Setting unit	Factory setting	Power reboot	Remarks
	point					
P□773	Low byte of speed/position switching reference point	0 ~ 9999	1-reference pulse	0	N	
P□774	High byte of speed/position switching reference point	0 ~ 9999	10000-reference pulse	0	N	