

- Motor + Encoder + Drive + Controller + Network
- Embedded Controller
- Position Table
- Closed Loop System
- No Gain Tuning / No Hunting
- High Resolution / Fast Response













Network Based Motion Control

A maximum of 16 axis can be operated from a PC through

RS-485 communications. All of the Motion conditions are set

through the network and saved in Flash ROM as a param-

eter. Motion Library(DLL) is provided for programming under

Windows 2000/XP.

2 **Position Table Function**

Position Table can be used for motion control by digital input

and output signals of host controller. You can operate the motor directly by sending the position

table number, start/stop, origin search and other digital input values from a PLC. The PLC can monitor the In-Position, origin search, moving/stop, servo ready and other digital output

signals from a drive. A maximum of 64 positioning points can be set from PLC.

PI C

Closed Loop System

Ezi-SERVO[®] is an innovative closed loop stepping motor and controller that utilizes a high-resolution motor mounted encoder to constantly monitor the motor shaft position. The encoder feedback feature allows the Ezi-SERVO® to update the current motor shaft position information every 25 micro seconds. This allows the Ezi-SERVO® drive to compensate for the loss of position, ensuring accurate positioning. For example, due to a sudden load change, a conventional stepper motor and drive could lose a step creating a positioning error and a great deal of cost to the end user!



No Gain Tuning

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Conventional servo systems, to ensure machine performance, smoothness, positional error and low servo noise, require the adjustment of its servo's gains as an initial crucial step. Even systems that employ auto-tuning require manual tweaking after the system is installed, especially if more that one axis are interdependent. Ezi-SERVO® employs the best characteristics of stepper and closed loop motion controls and algorithms to eliminate the need of tedious gain tuning required for conventional closed loop servo systems. This means that Ezi-SERVO® is optimized for the application and ready to work right out of the box! The Ezi-SERVO[®] system employs the unique characteristics of the closed loop stepping motor control, eliminating these cumbersome steps and giving the engineer a high performance servo system without wasting setup time. Ezi-SERVO® is especially well suited for low stiffness loads (for example, a belt and pulley system) that some-time require conventional servo

systems to inertia match with the added expense and bulk of a gearbox. Ezi-SERVO[®] also performs exceptionally, even under heavy loads and high speeds!



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Traditional servo motor drives overshoot their position and try to correct by overshooting the opposite direction, especially in high gain applications. This is called null hunt and is especially prevalent in systems that the break away or static friction is significantly higher than the running friction. The cure is lowering the gain, which affects accuracy or using Ezi–SERVO[®] Motion Control System! Ezi–SERVO[®] utilizes the unique characteristics of stepping motors and locks itself into the desired target position, eliminating Null Hunt. This feature is especially useful in applications such as nanotech manufacturing, semiconductor fabrication, vision systems and ink jet printing in which system oscillation and vibration could be a problem.



Time

Smooth and Accurate

Ezi-SERVO[®] is a high-precision servo drive, using a highresolution encoder with 32,000 pulses/revolution. Unlike a conventional Microstep drive, the on-board high performance DSP

(Digital Signal Processor) performs vector control and filtering, producing a smooth rotational control with minimum ripples,



Fast Response

Similar to conventional stepping motors, Ezi–SERVO[®] instantly synchronizes with command pulses providing fast positional response. Ezi–SERVO[®] is the optimum choice when zero–speed stability and rapid motions within a short distance are required. Traditional servo motor systems have a natural delay between the commanding input signals and the resul-tant motion because of the constant monitoring of the current position, necessitating in a waiting time until it settles, called settling time.



10 High Resolution

The unit of the position command can be divided precisely. (Max. 20,000 pulses/revolution)





High Torque

Compared with common step motors and drives, Ezi–SERVO[®] motion control systems can maintain a high torque state over relatively long period of time. This means that Ezi–SERVO continuously operates without loss of position under 100% of the load. Unlike conventional Microstep drives, Ezi–SERVO[®] exploits continuous high-torque operation during high-speed motion due to its innovative optimum current phase control.





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The Ezi–SERVO[®] functions well at high speed without the loss of Synchronism or positioning error. Ezi–SERVO[®]'s ability of continuous monitoring of current position enables the stepping motor to generate high–torque, even under a 100% load condition.



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• Features of Motion Controller

Speed

1. Loop Count

This function allows positioning repeatedly according to the Loop Count Number.

2. Acceleration/Deceleration

For quick acceleration and gradual deceleration, you can set each acceleration and deceleration time separately.



500

Time

Position

100

100

100 100

3. Pause

You can pause the motion upon the input of an external signal. When Pause signal change to OFF, the motor will restart to original target position.



ALARN

PLC Host controller can notify which Alarm has occurred

Alarm output from Drive

4. Alarm

The number of 7-Segment flashing time indicates which Alarm has occurred.

5. Teaching

Teaching signal is used to memorize current Position data into the selected Position Table item.



6. Jump

Within one Position Table, you can select various Position Table numbers that you want to jump. With three external input signal during movement, the next jump Position Table number can be select.

Position Table #14



• Part Numberin	9
Ezi-SERVO-A	<u>LL</u> – <u>42S</u> – <u>A</u> –□
Closed Loop Stepping System Name	
Motor Flange Size	
42:42mm 56:56mm	
Motor Length	
S : Single M : Middle L : Large XL : Extra Large	
Encoder Resolution	
A:10,000/Rev. B:20,000/Rev.	
User Code	

• Combination list of Ezi-SERVO ALL

Part Number
Ezi-SERVO-ALL-42S-A
Ezi-SERVO-ALL-42S-B
Ezi-SERVO-ALL-42M-A
Ezi-SERVO-ALL-42M-B
Ezi-SERVO-ALL-42L-A
Ezi-SERVO-ALL-42L-B
Ezi-SERVO-ALL-42XL-A
Ezi-SERVO-ALL-42XL-B
Ezi-SERVO-ALL-56S-A
Ezi-SERVO-ALL-56S-B
Ezi-SERVO-ALL-56M-A
Ezi-SERVO-ALL-56M-B
Ezi-SERVO-ALL-56L-A
Ezi-SERVO-ALL-56L-B

• Advantages over Open-loop Control Stepping Drive

- 1. Reliable positioning without loss of synchronism.
- 2. Holding stable position and automatically recovering to the original position even after experiencing positioning error due to a external force, such as mechanical vibration.
- 3. Ezi-SERVO² ALL covers 100% full range of the rated torque, contrary to a conventional open-loop stepping driver that can use only up to 50% of the rated torque by considering loss of synchronism.
- 4. Capability to operate at high speed owing to a load-dependant current control, whereas open-loop driver use a constant current control at all speed range without considering load variations.

Advantages over Servo motor controller

- 1. No gain tuning (Automatic adjustment of gain in response to a load change.)
- 2. Maintains the stable holding position without fluctuation after completing positioning.
- 3. Fast positioning due to the independent control by on-board DSP.
- 4. Continuous operation during rapid short-stroke movement due to instantaneous positioning.

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• Specifications

Input Voltage		24VDC ±10%	
Control Method		Closed loop control with 32bit DSP	
Multi Axes Drive		Maximum 16 axes through Daisy-Chain	
F	Position Table	64 motion command steps (Continuous, Wait, Loop, Jump and External start etc.)	
Curr	rent Consumption	Max 500mA (Except motor current)	
ng	Ambient Temperature	In Use : 0~55℃ In Storage : -20~70℃	
Operati Conditi	Humidity	In Use: 35~85% (Non-condensing) In Storage: 10~90% (Non-condensing)	
	Vib. Resist.	0.5G	
	Rotation Speed	0~3000rpm	
	Resolution(P/R)	10000/Rev. Encoder model : 500, 1000, 1600, 2000, 3600, 5000, 6400, 7200, 10000 20000/Rev. Encoder model : 500, 1000, 1600, 2000, 3600, 5000, 6400, 7200, 10000, 20000	
Function	Protection Functions	Over current, Over speed, Step out, Over load, Over temperature, Over regenerated voltage, Motor connect error, Encoder connect error, Low input voltage, Inposition error, System error, ROM error, High input voltage	
	In-Position Selection	0~15 (Selectable by parameter)	
	Position Gain Selection	0~15 (Selectable by parameter)	
	Rotational Direction	CW / CCW (Selectable by parameter)	
ignal	Input Signal	3 dedicated input (LIMIT+, LIMIT-, ORIGIN), 7 programmable input (photocoupler)	
s 0/I	Output Signal	1 dedicated output (Compare Out), 1 programmable output (photocoupler)	
Communication Interface		The RS-485 serial communication with PC Transmission speed : 9,6II~921,600[bps]	
Position Control		Incremental mode/Absolute mode Data Range : -134,217,727 to +134,217,727[pulse], Operating speed : Max. 500[kpps]	0 ALL
Return to Origin		Origin Sensor, Z phase, ±Limit sensor	SERV
GUI		User Interface Program within Windows	Ezi-
	Software	Motion Library (DLL) for windows 2000/XP	CH I
			FASTE

• Motor Specifications



MODE	L	UNIT	Ezi-SERVO-ALL 42S Series	Ezi-SERVO-ALL 42M Series	Ezi-SERVO-ALL 42L Series	Ezi-SERVO-ALL 42XL Series
DRIVE METHOD			BI-POLAR	BI-POLAR	BI-POLAR	BI-POLAR
NUMBER OF PHASE	S		2	2	2	2
VOLTAGE		VDC	3.36	4.32	4.56	7.2
CURRENT per PHAS	ЭЕ	А	1.2	1.2	1.2	1.2
RESISTANCE per PH	IASE	Ohm	2.8	3.6	3.8	6
INDUCTANCE per PH	HASE	mH	2.5	7.2	8	15.6
HOLDING TORQUE		N·m	0.32	0.44	0.5	0.65
ROTOR INERTIA		g · cm²	35	54	77	114
WEIGHTS		g	220	280	350	500
LENGTH (L)		mm	33	39	47	59
ALLOWABLE	3mm		22	22	22	22
OVERHUNG LOAD	8mm	N	26	26	26	26
(DISTANCE FROM	13mm	IN	33	33	33	33
END OF SHAFT)	18mm		46	46	46	46
ALLOWABLE THRUST LOAD N		Lower than motor weight				
INSULATION RESISTANCE MOhm		100min. (at 500VDC)				
INSULATION CLASS		CLASS B (130°C)				
OPERATING TEMPERATURE °C		0 to 55				

• Motor Dimension [mm] and Torque Characteristics





** Measured Condition Input Voltage = 24VDC Motor Current = Rated Current (Refer to Motor Specification) Drive = Ezi-SERVO-ALL-42 Series

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• Motor Specifications



MODE	L	UNIT	Ezi-SERVO-ALL 56S Series	Ezi-SERVO-ALL 56M Series	Ezi-SERVO-ALL 56L Series
DRIVE METHOD			BI–POLAR	BI–POLAR	BI-POLAR
NUMBER OF PHASE	S		2	2	2
VOLTAGE		VDC	1.56	1.62	2.7
CURRENT per PHAS	SE .	А	3	3	3
RESISTANCE per PH	IASE	Ohm	0.52	0.54	0.9
INDUCTANCE per Pl	HASE	mH	1	2	3.8
HOLDING TORQUE		N·m	0.64	1	1.5
ROTOR INERTIA		g · cm²	120	200	480
WEIGHTS		g	500	700	1150
LENGTH (L)		mm	46	54	80
ALLOWABLE	3mm		52	52	52
OVERHUNG LOAD	8mm	N	65	65	65
(DISTANCE FROM	13mm	IN	85	85	85
END OF SHAFT)	18mm		123	123	123
ALLOWABLE THRUST	LOAD	Ν	Lower than motor weight		
INSULATION RESIST	ANCE	MOhm	100min. (at 500VDC)		
INSULATION CLASS			– CLASS B (130°C)		
OPERATING TEMPER	ATURE	Ĉ	0 to 55		

• Motor Dimension [mm] and Torque Characteristics



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O 0.075 A

5.8±0.1 +0 +0013 +0 -0.039

038.1

Input Voltage = 24VDC

Motor Current = Rated Current (Refer to Motor Specification) Drive = Ezi-SERVO-ALL-56 Series

* :There are 2 Kinds size of front shaft diameter for Ezi-SERVO-ALL-56 series as ϕ 6,35 and ϕ 8,0,

• Setting and Operating



Protection function and 7-Segment flash times

When Alarm occurs, can recognize main reason of alarming thru by 7-Segment flash times which indicates Network ID,

	Times	Protection	Conditions
~ 1	1	Over current	The current through power devices in inverter exceeds the limit value
ALI	2	Over speed	Motor speed exceed 3000rpm
Ó	3	Step out	Position values is higher than specified value in motor stop status
-SERV	4	Over load	The motor is continously operated more than 5 second under a load exceeding the max, torque
- Z	5	Over temperature	Inside temperature of drive exceeds 55°C
CHE	6	Over regeneratived voltage	Back-EMF more than high limit value
STE	7	Motor Connect error	The power is ON without connection of the motor cable to drive
FA	8	Encoder Connect error	Cable connection error with Encoder connector in drive
1	9	Low input voltage	The power supplied to the motor is less than low limit value
	10	Inposition error	After operation is finished, a position error occurs
	11	System error	Error occurs indrive system
	12	ROM error	Error occurs during tuning execution
	15	Position overflow error	Position error value is higher thab 90° in motor stop state

0.5s 2.0s

Alarm LED Flash (ex : Position tracking error)

1. Terminator resistor selection(SW1)

Terminator resistor selection switch under RS-485 communication. Please set ON for Terminator Controller of Network.

2. Network ID selection switch(SW2)

Position	ID number	Position	ID number
0	0	8	8
1	1	9	9
2	2	А	10
3	3	В	11
4	4	С	12
5	5	D	13
6	6	E	14
7	7	F	15



3. Speed and Terminator resistor selection switch(SW3)

The purpose of this is to setting the communication speed

SW 3.1	SW 3.2	SW 3.3	Baud rate[bps]
OFF	OFF	OFF	9600
ON	OFF	OFF	19200
OFF	ON	OFF	38400
ON	ON	OFF	57600
OFF	OFF	ON	115200* ¹
ON	OFF	ON	230400
OFF	ON	ON	460800
ON	ON	ON	921600

*Possible to use common PCI Bus type RS-485 communication board for High speed communication. (Please contact with Distributor)
*1 : Default setting value



*Maximum 16 axis can be connected in one network,

*1 : Default setting value

4. Input/Output signal(CN1)

NO.	Function	I/O
1	24VDC	Input
2	24VDC GND	Input
3	BRAKE+	Output
4	BRAKE-	Output
5	+Limit Sensor	Input
6	-Limit Sensor	Input
7	Origin Sensor	Input
8	Digital IN 1	Input
9	Digital IN 2	Input
10	Digital IN 3	Input
11	Digital IN 4	Input
12	Digital IN 5	Input
13	Digital IN 6	Input
14	Digital IN 7	Input
15	Compare Out	Output
16	Digital OUT 1	Output
		-



5. Power connectorCN2)

NO.	Function	
1	24VDC ±10%	<u>ELL</u>
2	GND	2 1

6. RS-485 Communication Connector(CN3, CN4)

There is a converter for connecting PC.

NO.	Function	
1	+DATA	
2	-DATA	
3	GND	1 2 3

• System Configuration



Туре	Signal Cable	power Cable	RS-485 Cable
Standard Length	-	-	-
Max. Length	20m	2m	30m

1. Cable Option

1Signal Cable

Available to connect between Control System and Ezi-SERVO-ALL.

Item	Length[m]	Remark
CSVA-S-DDDF		Normal Cable
CSVA-S-DDDM		Robot Cable

□ is for Cable Length. The unit is 1m and Max. 20m length.

②Power Cable

Available to connect between Power and Ezi-SERVO-ALL.

Item	Length[m]	Remark
		Normal Cable
CSVA-P-UUUM		Robot Cable

□ is for Cable Length. The unit is 1m and Max. 2m length.

③RS-485 Cable 1

Item	Length[m]	Remark
CGNB-R-0R6F	0.6	
CGNB-R-001F	1	
CGNB-R-1R5F	1.5	Nermal Cable
CGNB-R-002F	2	Normal Cable
CGNB-R-003F	3	
CGNB-R-005F	5	

*Common cable to connect Ezi-SERVO-AL Ezi-SERVO-MINI-Plus R thru by Network. *Common cable to connect Ezi-SERVO-ALL, Ezi-STEP-ALL, Ezi-MotionLink and

2. Option

@FAS-RCR(RS-232C to RS-485 Converter)

ltem	Specification
Comm. Speed	Max. 115.2Kbps
Comm. Distance	RS-232C: Max. 15m RS-485: Max. 1.2km
Connector Type	RS-232C:DB9 Female RS-485:RJ-45
Operating System	Windows 98/2000/XP/Vista
Dimension	50X75X23mm
Weight	38g
Power	Powered from PC (Usable for external DC5~24V)

RS-232C Cable

ltem	Length[m]	Remark
CGNR-C-002F	2	
CGNR-C-003F	3	Normal Cable
CGNR-C-005F	5	

(5)RS-485 Cable 2

(FAS-RCR to Ezi-SERVO-ALL, FAS-RCR to Ezi-STEP-ALL, FAS-RCR to Ezi-SERVO-MINI-Plus R, FAS-RCR to Ezi-MotionLink)

Item	Length[m]	Remark
CGNA-R-0R6F	0.6	
CGNA-R-001F	1	
CGNA-R-1R5F	1.5	Nermal Cable
CGNA-R-002F	2	Normal Cable
CGNA-R-003F	3	
CGNA-R-005F	5	

3. Connector for Cabling

ITEM		Specification	Maker
Power Connector (CN2)	Terminal Block	AKZ1550/2F-3.81	PTR
Signal Connector (CNII)	Housing	501646-1600	MOLEX
Signal Connector (CIVI)	Terminal	501648-1000(AWG 26~28)	MOLEX
DC 495 Connector (CN2 CN4)	Housing	33507–0300	MOLEX
K5-485 Connector (CN3,CN4)	Terminal	50212-8100	MOLEX

*These connectors are serviced together with Ezi-SERVO-ALL except when purchasing option cables.

**Above connector is the most suitable product for Ezi-SERVO-ALL. Another equivalent connector can be used.

• External Wiring diagram



Ezi-SERVO-ALL

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• GUI(Graphic User Interface) Screenshot



Controller Lists and Motion Test

This screen display the controller list that connected to system. You can make a single move, jog and origin command and also the motor status is displayed,

Connect	Board	Perameter	Axis Param	CN Monitor	C Setting	之 Motion 🕁 🕹	Pos Table	Cmd Bar		
E Board List Controller List Device List ■ Port 22 Stave 0	Ezi-SERVO-	Ind Ba Plus-R-ST RS Axis Parame	ormat ucrate 485 cc ter	Slave	No 0		3		Slave No	
Parameter Parameter Parameter VO VO VO Non Pepeer 1	List har Mote	Mobr Directon C CW Origin Origin Directon C CW Origin Offset Coligin Position S Spaced Override Max Speed Rat	C CCW	Inposition	top Mode or E Value 1352 Value 1352 Va	15 [pulse] -Stop 27727 [pulse] 27727 [pulse] 201772 [pulse] 30 [pulse] 50 [pulse]	Status s ead eed Decel Origin Origi	27476 (pulse) 27476 (pulse) 27476 (pulse) 0 (pos) 0 (pulse) 10ear Position 1000 (sps] 5000 (sps) 500 (msec) 2000 (sps)	Axis Status Erner All HVW - Umit SVW - Umit SVW - Umit SVW - Umit SVW - Umit Pas Circlow Ern Swea Nam Ern Owes Courre Ern Owes Courre Ern Owes Courre Ern Owes Courre Ern Owes Courre Ern Owes Courre Ern Motsr Powe Ern Motsr Powe Ern Motsr Powe Ern Motsr Powe	Emg Stop Store Stop Gray Retuning Incosition Sarvo On Aniam Paste PT Stored Congite Sanctor Congite Sanctor Morism Paste Morism Paste Morism Paste Morism Paste Morism Constant Morism

Axis Parameter Setup

FAS7

You can select various parameters that frequently used, (ex : sensor input logic)

E Ezi-MOTIO	N GUI - 1/O Se	tting									
Elle Yew He	Board	Thramatar	avia 🖌	CN -		and the second se	000	Pre Cout			
Connect	Ho List	List	Param	Monitor	C Setting	t tear	est todal	able Bar			
U/O Monito						-					
				Slave	No 0	-	•				
INPUT											
UMT+ Ur	nt +	IN 5 PT A4		Alarm Reset		JPT IN 0					
UMT- Lir	n -	IN 6 PT A5		Servo On		JPT IN 1					
ORG OH	gin	IN 7 PT A6		Pause		JPT IN 2					
	ar Pos	INS PLAT		Urgn Search	(VO Settin	9				
IN 2 PT	AL _	Stop		+ Stop	- F	And an IND	m.				1
IN 3 PT	A2	Jog +		- Stop		LIMIT +	f imit+	- Low Active	S	lave No 0	(⇒
IN 4 PT	A3	Jog -		E-Stop		LIMIT -	[link	- Law Astim			
						LIMIT -	Lime-	Low Active	Assign OU	TPUT	
OUTPUT						OHIGIN	Home	- Low Active	COMP	Compare Out 👻	Low Active
COMP Co	mpare Out 0	UT 8 Org Search	0K	User OUT 1		INPUT 1	PT A0	Low Active	OUTPUT 1	InPosition •	Low Active
OUT 2 AN	osnon s	UT Servo Head	·	User OUT 2		INPUT 2	PT A1	Low Active	OUTPUT 2	Alarm 💌	Low Active
OUT 3 M	vina	- Stop OUT		User OUT 4		INPUT 3	PT A2	Low Active	OUTPUT 3	Moving •	Low Active
OUT 4 Ac	:/Dec	PTOUTO		User OUT 5		INPUT 4	PT A3	Low Active	OUTPUT 4	Acc/Dec 💌	Low Active
OUT 5 AC	к 🗌	PT OUT 1		User OUT 6		INPUT 5	PT A4	Low Active	OUTPUT 5	ACK 💌	Low Active
DUT 5 EN	D	PT OUT 2		User OUT 7		INPUT 6	PT A5	Low Active	OUTPUT 6	END A	Low Active
0017 144	INDIA -	User COT 0		USHF OUT 8		INPUT 7	PT 46	Low Active	OUTPUT 7	Origin Search 0	Low Active
		_	_	_		INPLIT 8	IPT AT	* Low Action	OUTPUT 8	Pos Stop Dutput Neg Stop Output	Low Action
						NOUT O	Int court	Low Active	OUTPUT	PT Output 0 PT Output 1	Low Aster
						medi 9	In Lotan	• LOW ACTIVE	00/P019	PT Output 2 User Output 0	FOM HC3/6
										User Output 2	1
										User Output 4 💌	Close

◆I/O Monitoring and Setting

You can select various digital input and output signals of controller.

		Slave	əNo O	
rameters				
o, Name	Unit	Field	Default	Value
0 Pulse Per Revolution		0~9	9	9
1 Axis Max Speed	[pps]	1~500000	500000	500000
2 Axis Start Speed	[pps]	1~500000	1	1
3 Axis Acc Time	[msec]	1~9999	100	100
4 Axis Dec Time	[msec]	1~9999	100	100
5 Speed Override	[%]	1~500	100	100
6 Jog Speed	[pps]	1~500000	5000	50000
7 Jog Start Speed	[pps]	1~500000	1	1
8 Jog Acc Dec Time	[msec]	1~9999	100	50
9 Servo Alram Logic		0~1	0	0
10 Servo On Logic		0~1	0	0
11 Servo Alarm Reset Logic		0~1	0	0
12 S/W Limit Plus Value	[pulse]	±134217727	134217727	134217727
13 S/W Limit Minus Value	[pulse]	±134217727	-134217727	-134217727
14 S/W Limit Stop Method		0~1	1	1
15 H/W Limit Stop Method		0~1	1	1
16 Limit Sensor Logic		0~1	0	0
17 Org Speed	[pps]	1~1000000	5000	5000
18 Org Search Speed	[pps]	1~1000000	1000	100
19 Org Acc Dec Time	[msec]	1~9999	50	100
20 Org Method		0~2	0	0
21 Org Dir		0~1	0	0
22 Org OffSet	[pulse]	±134217727	0	0
23 Org Position Set	[pulse]	±134217727	0	0
24 Org Sensor Logic		0~1	0	0
25 Position Loop Gain		0~15	4	4
26 Inpos Value	[puise]	0~15	0	0
27 Pos Tracking Limit	[puise]	0~134217727	1000	1000
28 Motion Dir		0~1	0	0
29 Limit Sensor Dir		0~1	1(1]

♦Parameter List

All of the parameters are displayed and modified on this screen.



Motion Repeat and Monitor Status

Target position, speed, delay time and repeat count are selected for repeat motion test. Motion library(DLL) is also displayed on screen.



Position Table

You can edit the position table and execute it. The position table data can be saved and loaded from Flash ROM and Windows file.



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