Mini

Standard

Rod Type

Standard Controllers

Table/Arn /Flat Type

Gripper Rotary Type

Cleanroom

. . .

PMEC /AMEC

NET ERC2

ACON

PSE

SSFI

Pulse Motor

Servo Motor (24V)

Servo Motor (200V)

Linear ervo Motor

PSEP

Model C/CW
3-position controller for RCP2/RCP3
Position Controller



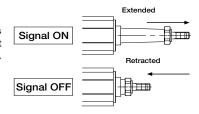
Model C/CW
3-position controller for RCA/RCA2/RCL
Position Controller



Feature

1 Can operate with same signal as a solenoid valve.

The signal that operates the actuator is the same as the signal that operates the air cylinder. Therefore, the PLC program currently in use can be used without modification even if the air cylinder is replaced by an electric-powered cylinder. Either a single solenoid or a double solenoid may be used.



2 Establishes a dustproof type that supports IP53.

We provide dustproof type controllers with an IP53 equivalent (*1) protection structure, so that the controller can be mounted outside the control panel.

(1) Bottom surface excluded.



SEP controller Absolute battery un

3 Provides the simple absolute type that can be operated immediately upon power-ON without homing.

Since the simple absolute type can store the current position with the assistance of the absolute battery unit during power-up or after the emergency stop is deactivated; it can start the next operation at that position.

(Note 1) When the actuator is connected to the simple absolute type controller, the model is considered an incremental model.

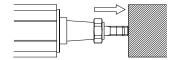
(Note 2) It can not be used for the linear servo type.

When mounting the absolute battery unit, mount it below the SEP controller.

4 Pushing and intermediate stop operation is available.

Like air cylinders, the pushing operation is available. In this operation, you can stop with a rod being pushed to a workpiece.

Since the force for the push operation is adjustable within a range between 20 to 70 % of the maximum pushing force and a signal is generated when it reaches the specified pushing force, it can be used to determine clamping or size of workpieces.



Push force is adjustable within the range of 20 to 70% of the maximum pushing force

5 Easy data entry with the dedicated touch panel teaching unit.

Data, such as setting target positions or pushing force, are easily entered with the optional touch panel teaching model: CON-PT.

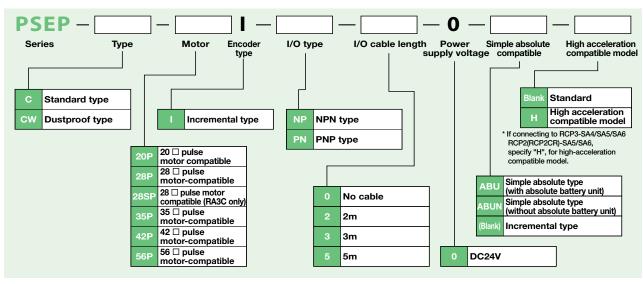
Since the touch panel teaching unit provides an interactive menu and can be controlled directly on the screen, you can operate intuitively with no assistance from operation manuals.

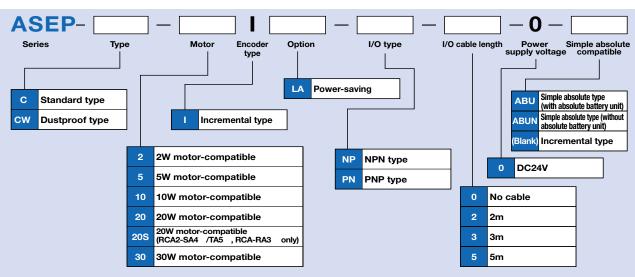


Model List

Series name	PSEP				ASEP			
Туре	С		CW		С		CW	
Name	Standard		Dustproof		Standard		Dust proof	
Positioning method	Incremental encoder	Simple absolute type	Incremental absolute appe		Incremental encoder	Simple absolute type	Incremental encoder	Simple absolute type
External View								
Description	Position controller, for pulse motors, specialized to 2 positions / 3 positions positioning and easier control PSEP-C dustproof type w IP53 equivalent protect structure		ent protection	Position controller, for servo motors, specialized to 2 positions / 3 positions positioning and easier control		ASEP-C dustproof type with an IP53 equivalent protection structure		
Number of positions	2 positions			2 positions	/ 3 positions			
Standard price	_	_	_	_	_	_	-	_

Model





Slider Type

Mini

Standard

Controlle Integrate

> Rod Type

Mini

Controller Integrated

Table/Arm /Flat Type

Mini

Gripper/

Linear Serv

Cleanroom Type

Splash-Pro

Controllers

PSEP /ASEP ROBO

ERC2

ACON

SCON

ASEL

SSEL

Pulse Motor

Servo Motor (24V)

Servo Mot (200V)

Servo Mo

ontrollers Integrated

> Rod Type

Standard

Table/Arn

Mini

Gripper

inear Serv Typ

Стеапгооп Туре

. . ..

/AMEC

ROBO NET

LNUZ

ACON

SCON

SSE

ulse Motor

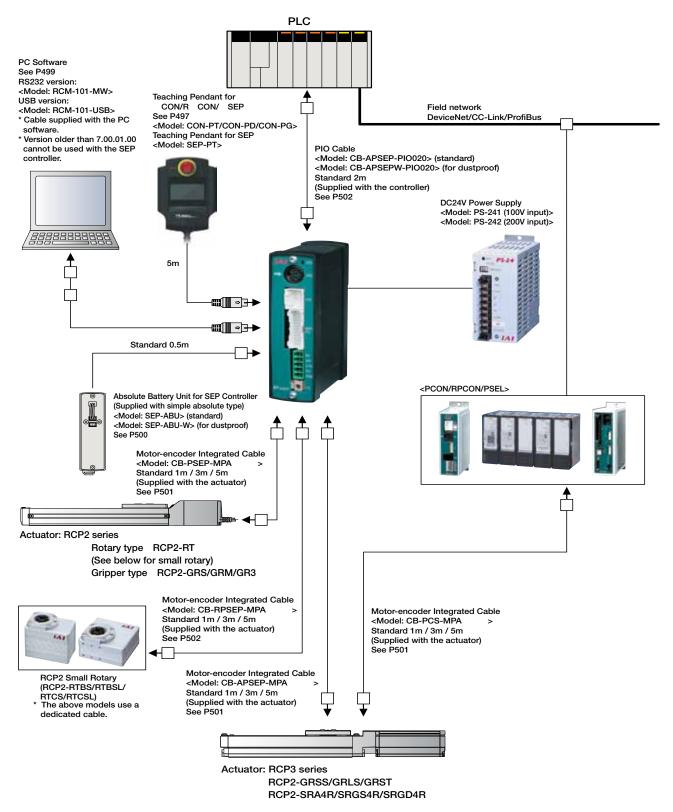
Servo Motor (24V)

Servo Motor (200**V**)

> Linear ervo Motor

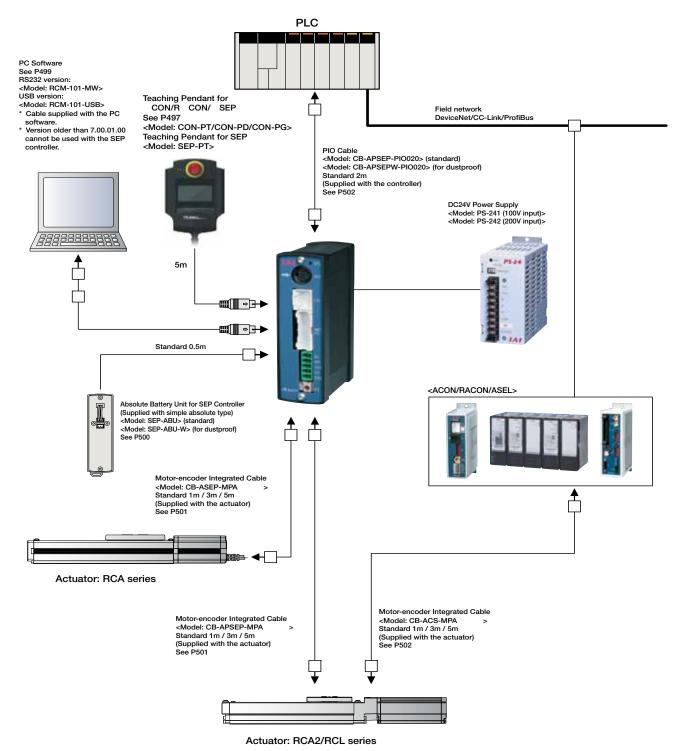
System structure

[PSEP]



System structure

[ASEP]



Slider

Controller Integrate

Rod Type

Mini

Controller: Integrated

Table/Arm /Flat Type

Mini

Standard

Linear Serv Type

Cleanroom Type

Splash-Pro

Controllers

/AMEC PSEP

ROBO NET

PCON

ACON

SCON

PSEL

OOF

XSEL

Pulse Mot

Servo Motor (24V)

Servo Moto (200V)

Servo Mo

PIO Pattern Description

The SEP controller provides the following six PIO patterns from which you can choose for operation. Also, PIO patterns 0 to 2 support both the single solenoid and double solenoid signal configurations.

PIO Pattern Nu	PIO 0 1 2		3	4	5					
PIO Pattern Name		Standard 2-position movement		Moving speed change		Position Data Change		2-input 3-position travel	3-input 3-position travel	Continuous cycle operation
			Continuous cycle operation		2-position motion		n motion	3-position motion	3-position motion	Continuous motion between 2 positions
Featur	e	Push		Push		Push		Push	Push	Push
		-		Changing speed during motion		Motion position data change		-	-	-
Supported so configurat		Single	Double	Single	Double	Single	Double	-	-	-
	0	Motion signal	Motion signal 1	Motion signal	Motion signal 1	Motion signal	Motion signal 1	Motion signal 1	Retract motion signal	Continuous operation signal
Input	1	Pause signal	Motion signal 2	Pause signal	Motion signal 2	Pause signal	Motion signal 2	Motion signal 2	Extend motion signal	Pause signal
mput	2 (Reset signal)		Moving speed change signal (reset signal)		Target posi signal (res		- (Reset signal)	Intermediate motion signal (reset signal)	- (Reset signal)	
	3	- /Servo-C	- DN signal	ignal /Servo-ON signal /Servo-ON signal		- /Servo-ON signal	- /Servo-ON signal	- /Servo-ON signal		
	0 Retract motion output signal		Retract motion Retract motion output signal		Retract motion output signal	Retract motion output signal	Retract motion output signal			
Outrast	Output 2 Homing completion signal / Homing Servo-ON output signal Alarm output signal Alarm				Extend motion output signal		motion signal	Extend motion output signal	Extend motion output signal	Extend motion output signal
Output				pletion signal output signal	Homing com /Servo-ON c		Midpoint position output signal	Midpoint position output signal	Homing completion signal /Servo-ON output signal	
				put signal output signal	Alarm out /Servo-ON o		Alarm output signal /Servo-ON output signal	Alarm output signal /Servo-ON output signal	Alarm output signal /Servo-ON output signal	

^{*} For the signals above, see the controller manuals (downloadable from our website).

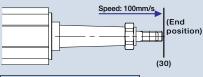
PIO Pattern 0 (Standard 2-Position travel)

This PIO pattern involves movements between two positions—the end position and the home position.

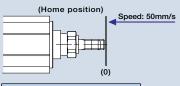
The positions can be set numerically to any position (by inputting to the controller using the optional touch panel teaching pendant).

Two motions are possible: A "positioning motion" moves the rod or the slider to the specified position, and a "pushing motion" pushes the rod against a workpiece.

Positioning Motion (Single Solenoid)



End Position Data			
Position	30		
Speed	100		
Pushing force	-		
Width -			



Home Position Data		
Position	0	
Speed	50	
Pushing force	_	
Width	-	

Input Signals

Input 0	ON
Input 1	-
Input 2	-
Input 3	_

When Input 0 is turned ON, the slider/rod moves to the end position (30mm coordinate) at a speed of 100mm/s.

Input Signals

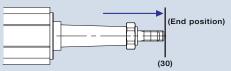
input oignaio			
Input 0	OFF		
Input 1	-		
Input 2	-		
Input 3	-		

When input 0 is turned OFF, the slider/rod returns to the home position (0mm coordinate) at a speed of 50mm/s.

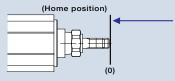
491



Positioning Motion (Double Solenoid)



End Position Data		
Position 30		
Speed	100	
Pushing force	-	
Width	-	



	ition Data	
	Position	0
	Speed	50
	Pushing force	-
	Width	-

Input Signals

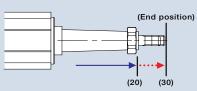
par o.ga.o				
Input 0	OFF			
Input 1	ON			
Input 2	1			
Input 3	-			

When Input 1 is turned ON and Input 0 is turned OFF, the slider/rod moves to the end position (30mm coordinate) at a speed of 100mm/s.

input Signais			
Input 0	ON		
Input 1	OFF		
Input 2	_		
Input 3	-		

When Input 0 is turned ON and Input 1 is turned OFF, the slider/rod returns to the home position (0mm coordinate) at a speed of 50mm/s.

Push motion (single solenoid)



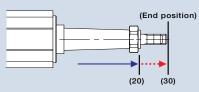
End Position Data		
Position 30		
Speed	100	
Pushing force	50	
Width	10	

input Signais			
Input 0	ON		
Input 1	-		
Input 2	-		
Input 3	-		

When Input 0 is turned ON, the rod moves to the 20mm position at 100mm/s, and then starts pushing from the 20mm position to the 30mm position at slow speed.

* The pushing motion is performed only if there is a numerical value for the pushing force in the controller's position data. (If there is no numerical value for the pushing force, a positioning motion will be performed instead.)

Push motion (double solenoid)



End Position Data	
Position	30
Speed	100
Pushing force	50
Width	10

Input Signals

OFF
ON
_
-

When Input 1 is turned ON and Input 0 is turned OFF, the rod moves to the 20mm position at 100mm/s, and then starts pushing from the 20mm position to the 30mm position at slow speed.

* The pushing motion is performed only if there is a numerical value for the pushing force in the controller's position data. (If there is no numerical value for the pushing force, a positioning motion will be performed instead.)

Type

Standard

ontrollers ntegrated

> Roc Type

Standard

ntegrated

/Flat Type

Standard

Rotary Type

Cleanroom Type

plash-Prod

ontroller

PSEP /ASEP

ERC2

ACON

SCON

ASEL

Pulse Moto

Servo Moto (24V

Servo Moto (200V

> Linear ervo Motor

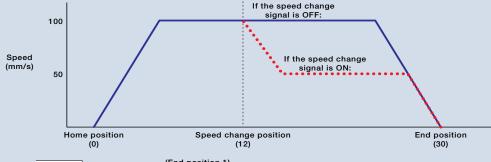
PIO Pattern 1 (Speed Change During Movement)

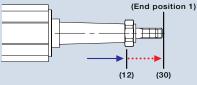
This PIO pattern involves movements between two positions—the end position and the home position.

The speed can be changed in 2 stages. (The speed can be either increased or decreased.)

The speed change occurs when the rod/slider passes the speed change position, specified in the position values.

(Single Solenoid)





Input Signals	
Input 0	ON
Input 1	-
Input 2	ON
Input 3 -	

When Input 0 is turned ON while Input 2 is turned ON, the rod moves at the initial speed up to the trigger point.

After it passes the trigger point, the speed changes. If Input 2 is not turned ON, the speed will not change.

Home Position Data	
Position	0
Speed	50
Trigger point	12
Trigger speed	100
Pushing force	_
Width	_

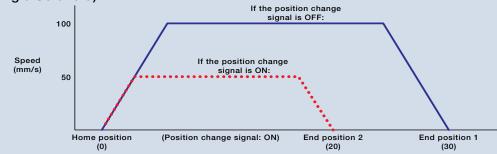
End Position Data		
Position	30	
Speed	100	
Trigger point	12	
Trigger speed	50	
Pushing force	_	
Width	Ţ	

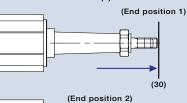
PIO Pattern 2 (Position Change)

This PIO pattern involves movements between two positions—the end position and the home position. You can set 2 sets of data for the end / home positions, speed, pushing force, and pushing width.

Switching between the 2 sets of data can be done by turning ON/OFF Input 2, which is the signal for switching the target position.

(Single Solenoid)





(20)

Input Signals

Input 0 ON

Input 1
Input 2 ON

Input 3 -

If Input 2 (position change signal) is OFF when Input 0 is turned ON, the rod moves according to the position and speed set in "End Position Data 1" (position: 30 / speed: 100).

If Input 2 is ON when Input 0 is turned ON, the rod's movement changes to the position and speed set in "End Position Data 2" (position: 20 / speed: 50). If Input 2 is OFF when the movement starts, but is turned ON in transit, the target position and speed is changed from that position.

End Position Data 1	
30	
100	
_	
_	

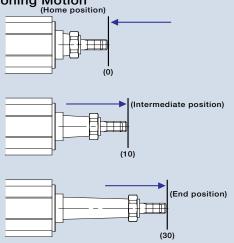
End Position Data 2	
20	
50	
_	
_	

PIO Pattern 3 (2-Input 3-Position Travel)

This PIO pattern involves movements between 3 positions-the end position, the home position, and an intermediate position.

Changing between the positions is done by a combination of 2 signals, Input 0 and Input 1.

Positioning Motion (Home position)



Input Signals In

Input 0	ON	When only Input 0 is turned ON the rod moves to the home position at the specified speed.
Input 1	OFF	
Input 2	-	
Input 3	-	

Input Signals

Input 0	ON
Input 1	ON
Input 2	-
Input 3	ı

When Input 0 and Input 1 are both turned ON, the rod moves to the intermediate position at the specified speed.

Input Signals

1	
Input 0	OFF
Input 1	ON
Input 2	-
Input 3	_

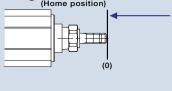
When only Input 1 is turned ON, the rod moves to the end position at the specified speed.

PIO Pattern 4 (3-Input 3-Position Travel)

This PIO pattern involves movements between 3 positions - the end position, the home position, and an intermediate position.

Changing between positions is done by three signals-Input 0, Input 1 and Input 2, which are commanded to move to the home, end and intermediate positions, respectively.

Positioning Motion



Input Signals

Input 0	ON
Input 1	OFF
Input 2	OFF
Input 3	-

When Input 0 is turned ON, the rod moves to the home position at the specified speed.

Input Signals

Input 0	OFF
Input 1	OFF
Input 2	ON
Input 3	_

When Input 2 is turned ON, the rod moves to the intermediate position at the specified speed.

Input Signals

Input 0	OFF
Input 1	ON
Input 2	OFF
Input 3	-

When Input 1 is turned ON, the rod moves to the end position at the specified speed.

PIO Pattern 5 (Continuous Cycle Operation)

(10)

This PIO pattern involves continuous cycling between 2 positions—the end and home positions.

(End position)

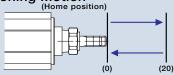
When Input 0 (continuous operation signal) is turned ON, the rod continuously moves between the specified 2

If Input 0 is turned OFF while in motion, it stops after reaching the current destination.

(30)

(Intermediate position)

Positioning Motion (Home position)



Input Signals

Input 0	ON
Input 1	-
Input 2	-
Input 3	_

When Input 0 is turned ON, the rod moves continuously between the end and home positions at the specified speed.

I/O Signal

		PIO p	attern	()	1 2		3	4	5		
Pin No.	Cable color	PIO patte	ern name		dard n motion	Speed change Position change 3-		2-input 3-position travel	3-input 3-position travel	Continuous cycle operation		
	00.0.	Soleno	id type	Single	Double	Single Double Single Double		-	-	-		
1	Brown	CC	M	24	4V	24V 24V		24V	24V	24V		
2	Red	CC	М	0	V	ov ov		0V	ov	0V		
3	Orange		0	ST0	ST0	ST0	ST0	ST0	ST0	ST0	ST0	ASTR
4	Yellow	I	1	*STP	ST1(-)	*STP	ST1 (-)	*STP	ST1(-)	ST1	ST1(-)	-/*STP
5	Green	Input	2	-(R	ES)	SPDC(RES) C		CN1	(RES)	-(RES)	ST2(RES)	-(RES)
6	Blue		3	-/S	ON	-/SON -/SON		-/SON	-/SON	-/SON		
7	Purple		0	LS0	/PE0	LS0/PE0		LS0/PE0		LS0/PE0	LS0/PE0	LS0/PE0
8	Grey	Outmut	1	LS1	/PE1	LS1/PE1		LS1/PE1		LS1/PE1	LS1/PE1	LS1/PE1
9	White	Output	2	HEN	D/SV	HEN	HEND/SV		D/SV	LS2/PE2	LS2/PE2	HEND/SV
10	Black		3	*ALN	M/SV	*ALI	M/SV	*ALI	M/SV	*ALM/SV	*ALM/SV	*ALM/SV

Note: The above signals marked with * are normally ON and turn OFF when active.

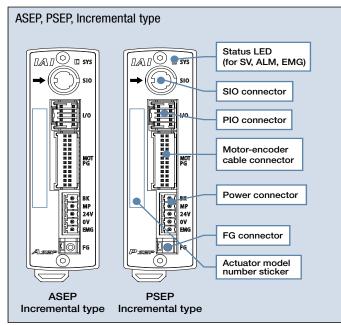
Specification Table

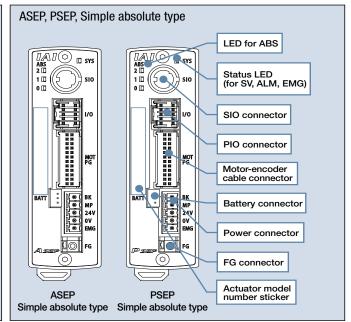
Item		Туре							
		PSE	P		ASEP				
Controller type		c cw			С	CW			
Connected actu	ators	RCP2/RCP3 series actuator RCA/RCA2/RCL series actu					ctuator		
Number of contr	rol axes								
Operating metho	od	Positioner Type							
Number of posit	ions	2 positions/3 positions (4 positions*2)							
Backup memory	1	EEPROM							
I/O connector				10 pin co	onnector				
Number of I/O p	oints		4 ir	nput points /	4 output points				
I/O power supply	у		Exter	nal power su	pply DC24V±10%				
Dedicated type	for serial communication			RS48	5 1ch				
Communication ca	able for peripheral equipment	CB-APSEP-PIO□□□	CB-APSEPW-	PIO 🗆 🗆 🗆	CB-APSEP-PIO□□□	CB-AI	PSEPW-PI	0000	
Position detection	on method	Incremental encoder (Attac	ching an absolu	te battery un	it makes the simple absolute s	pecificat	tion possil	ble *3)	
	For RCP2 connection	CB-PSEP-M	PA 🗆 🗆 🗆		(Connection not possible)				
Motor-encoder	For RCA connection	(Connection no	ot possible)		CB-ASEP-MPA□□□				
cable	For RCP3/RCA2 connection			CB-APSEP-	MPA 🗆 🗆				
	For RCP2 mini rotary connection	CB-RPSEP-MPA□□□ (Connection not possible)							
Input voltage				DC24V	/±10%				
Controlled power	er supply capacity		0.5A (0.8A f	or the simple	absolute specification)				
			Date d value	M (#4)	Motor power output	Rated	Maximum		
		Motor size	Rated value	Max.(*4)		value	Power- saving (*5)	Standard (*6) high- acceleration / deceleration	
		20P	0.4A	2.0A	2W	0.8A	Not specified	4.6A	
		28P	0.4A	2.0A	5W	1.0A	Not specified	6.4A	
Motor power cap	pacity	35P	1.2A	2.0A	10W (for RCL)	1.3A	Not specified	6.4A	
		42P	1.2A	2.0A	10W (for RCA/RCA2)	1.3A	2.5A	4.4A	
		56P	1.2A	2.0A	20W	1.3A	2.5A	4.4A	
		-	-	_	20W (for 20S motor)	1.7A	3.4A	5.1A	
		-	-	-	30W	1.3A	2.2A	4.4A	
Inrush current (*	1)	-	-		30W . 10A	1.3A	2.2A	4.4A	
Inrush current (* Amount of heat	,	- 8.4V					2.2A	4.4A	
	generated				. 10A 9.6		2.2A	4.4A	
Amount of heat	generated gth voltage		s 10~57Hz	DC500 One-side wi	. 10A 9.6	W 75mm (in			
Amount of heat	generated gth voltage bration	8.4V	s 10~57Hz	DC500 One-side with 4.9m/s ² (cc	. 10A $$9.6$ V 1M Ω dth 0.035mm (continuous), 0.0	W 75mm (in			
Amount of heat of Dielectric streng Resistance to vii	generated gth voltage bration ng temperature	8.4V	s 10~57Hz 58~150Hz	DC500 One-side wi 4.9m/s² (cc	. $10A$ 9.6 V $1M\Omega$ dth 0.035mm (continuous), 0.0 ontinuous), 9.8m/s² (intermitten	W 75mm (in			
Amount of heat of Dielectric streng Resistance to vii Ambient operati	generated gth voltage bration ng temperature ng humidity	8.4V	s 10~57Hz 58~150Hz	Max. DC500 One-side wi 4.9m/s² (cc 0~4	. 10A 9.6 V 1MΩ dth 0.035mm (continuous), 0.0 ontinuous), 9.8m/s² (intermitten	W 75mm (in			
Amount of heat of Dielectric streng Resistance to vii Ambient operati Ambient operati	generated gth voltage bration ng temperature ng humidity	8.4V	s 10~57Hz 58~150Hz	Max. DC500 One-side wi 4.9m/s² (cc 0~4 0~85%RH (no	. 10A 9.6 V 1MΩ dth 0.035mm (continuous), 0.0 ontinuous), 9.8m/s² (intermitten 0°C n-condensing)	W 75mm (in		t)	

- (*1) Upon power-ON, an electrical current of 5 to 12 times as much as the rated current, called "in rush current" flows for 1 to 2 ms. Note that the amount of inrush current

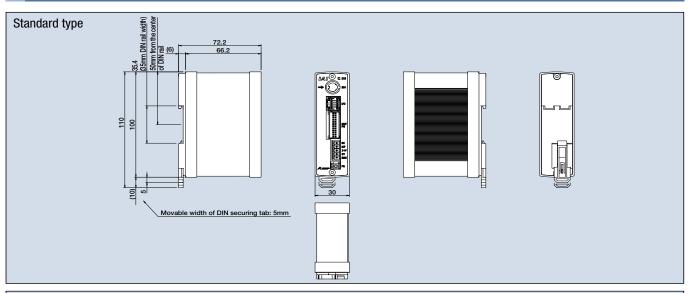
- (*1) Upon power-ON, an electrical current of 5 to 12 times as much as the rated current, called "in rush current" flows for 1 to 2 ms. Note that the amount of inrush current varies based on the impedance of power source lines.
 (*2) This applies to the case where two position data points are set at each of the end and home positions during a "position change" motion pattern process.
 (*3) The simple absolute type controllers cannot be used for the linear servo type.
 (*4) The current reaches its maximum level during the servo motor excitation phase detection performed during the initial servo ON process after the power has been turned on. (Usually: Approx. 1 to 2 seconds, max. 10 seconds.)
 (*5) When power to the motor is turned ON after shutting it OFF, current of about 6.0 A flows (for aprox.1~2ms).
 (*6) The max. value of current can be detected in the magnetic pole detection process or during collision or constraint. The condition continues for up to 10 seconds in the magnetic pole detection process. In this process the above current is required.
 (*7) The bottom surface is excluded.

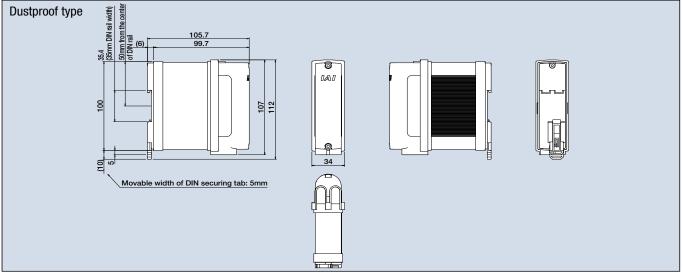
Names





Outer dimensions





Slide

Mini

Controller Integrate

> Rod Type

Mini

Controllers Integrated

Table/Arm /Flat Type

Mini

Standard

Linear Serv

Cleanroom

1,500

PMEC /AMEC

ROBO NET

DOON

ACON

SCON

SSEL

XSEL

Pulse Moto

Servo Moto

Servo Mot (200V)

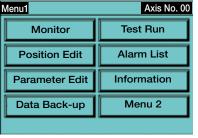
Linear Servo M Option

Touch Panel Teaching Pendant for Position Controller

Feature 1 A data input device with an intuitive touch panel menu screen that is easy to operate, even for first-time users. You can use it to configure settings such as home / end positions, intermediate position, speed, and pushing force, or to run an adjustment operation such as jogging, inching, and moving to a specified position.

Feature 2 Intuitive and interactive touch panel menus allow for easy configuration, even for first-time users.









Large, easy to read display

Easy configuration with the touch panel

Backlight color changes when an error occurs

■ Model & Specifications

Item	Description						
Model	CON-PT-M-ENG CON-PD-M-ENG CON-PG-M-S-ENG		SEP-PT-ENG				
Туре	Standard type Enable switch type Safety compliant type		SEP controller dedicated type				
Connectible controllers	PSEP/PCON/RPCON ASEP/ACON/RACON SCON/ERC2 (*) PSEP ASEP						
3-position enable switch	×	×					
Functions	Input and edit position data Movement functions (move to specified position, jog, inch) Test input and output signals Edit parameters						
Display	3-color LED with backlight						
Operating ambient temp./Humidity	0~50°C 20~85% RH (non-condensing)						
Environmental resistance	IP40						
Weight (incl. 5m cable)	Approx. 750g	750g Approx. 780g Approx. 780g		Approx. 550g			
Accessories	• Touch pen	• Touch pen	TP Adapter (Model: RCB-LB-TG) Dummy Plug (Model: DP-4) Controller connection cable (Model: CB-CON-LB005) Touch pen	• Touch pen			
Standard Price	_	_	_	_			

(*) If an ERC2 type controller does not have "4904" on the serial number label, it cannot be connected.

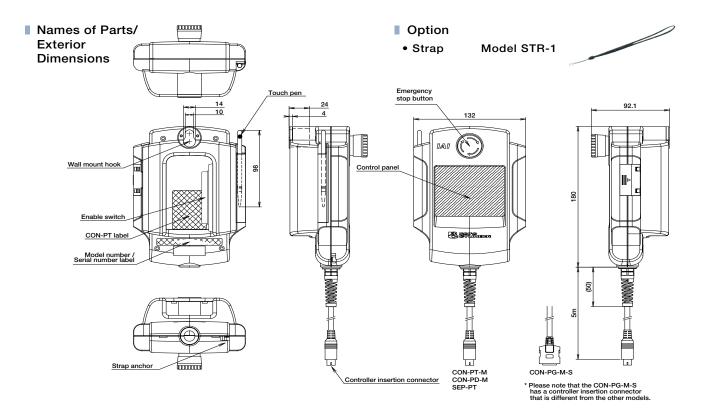


If you have a "CON" type controller (i.e. PCON, RPCON, ACON, RACON, SCON, ERC2) and an "SEP" type controller (PSEP or ASEP) linked together, you cannot connect the teaching pendant to it.

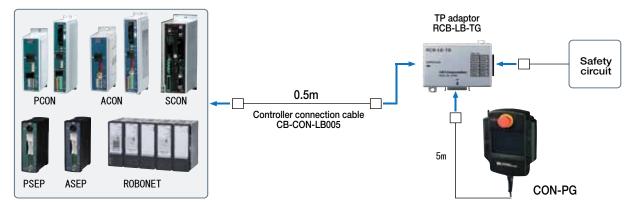
Linear ervo Motor

497

Absolute battery unit for SEP controllers



CON-PG-M-S Wiring Drawing



Slider

Mini

Standar

Controlle Integrate

> Rod Type

Mini

Controllers

Table/Arm

Mini

Standard

Rotary Type

Cleanroom

Туре

Splash-Proc

Controllers

PMEC /AMEC

ROBO NET

PCON

ACON

PSEL

ASEL

XSEL

ulse Moto

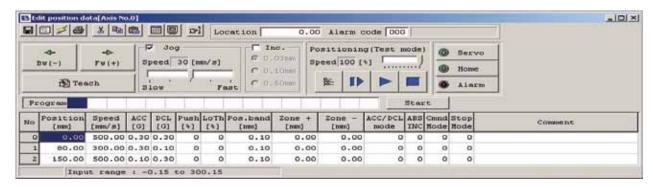
Servo Moto (24V)

Servo Moto (200V)

Servo Mo

PC Software (Windows Only)

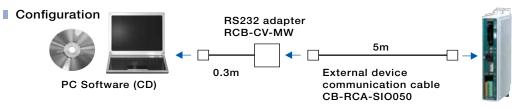
Features A startup support software for inputting positions, performing test runs, and monitoring. With enhancements for adjustment functions, the startup time is shortened.







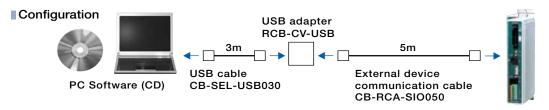
(External device communication cable + RS232 conversion unit)





Model RCM-101-USB

(External device communication cable + USB adapter + USB cable)



Pulse Motor

Servo Motor (24V)

Servo Motor (200V)

> Linear ervo Motor

Absolute battery unit for SEP controllers

Description Supplied with the PSEP and ASEP simple absolute controllers.This is a battery unit used for backing up the current position data.

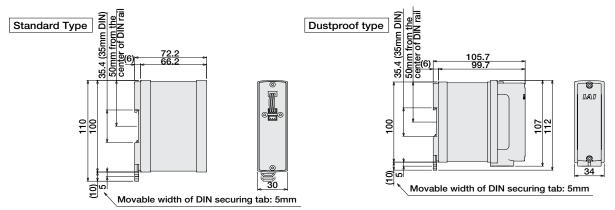
■ Model SEP-ABU (standard type)
SEP-ABU-W (dustproof type)

Specifications

Item	Specifications				
Ambient operating temp./Humidity	0~40°C (around 20°C preferred), 95% RH or below (non-condensing)		
Ambient operating environment	No corrosive gases				
Absolute battery (*1)	Model: AB-7 (Ni-MH battery/Approx. 3-year life)				
Controller-absolute battery unit cable (*1)	Model: CB-APSEP-AB005 (0.5m long)				
Weight	Standard type: Approx. 230g; Dustproof type: Approx. 260g				
Allowable encoder RPM during data retention (*2)	2) 800rpm 400rpm 200rpm 100rp			100rpm	
Position data retention duration (*2)	120h	240h	360h	480h	

(*1) The absolute battery unit comes with a cable to connect the controller and the absolute battery unit.

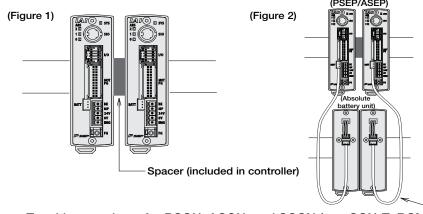
(*2) Position data retention time changes with the allowable encoder RPMs during data retention. (800rpm→120h, 400rpm→240h, 200rpm→360h, 100rpm→480h)



Cautions on Controllers and Options

- When mounting the controller to a DIN rail, use the supplied spacer between the controllers to prevent them from contacting each other, to deal with heat dissipation. (See Fig. 1)
- When mounting the absolute battery units and controllers, place the absolute battery units below the controllers. (See Fig. 2)

If there is not enough space below the controllers, mount the absolute battery units in such a way that the temperature around the controllers stays at 40°C or below.



Controller-Absolute Battery Unit Cable (supplied with the absolute battery unit) Model: CB-APSEP-AB005 (0.5m long)

- Teaching pendants for PCON, ACON, and SCON (e.g. CON-T, RCM) cannot be used with PSEP or ASEP.
 For PSEP and ASEP, use the SEP-PT.
- The SEP-PT cannot communicate to the linked controllers. (Please connect them directly to the controller.)

Slider Type

Mini

Standard

Rod Type

Mini

Controller Integrated

Table/Arm /Flat Type

Mini

Standard

Linear Serv Type

Cleanroom Type

Splash-Prod

PMEC

/ASEP

DOON

ACON

PSEL

ASEL

XSEL

Pulse Moto

Servo Mot

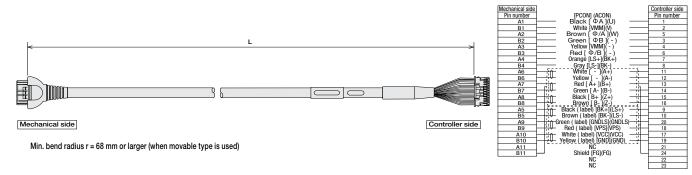
Servo Mor (200V)

> Linear Servo Mot

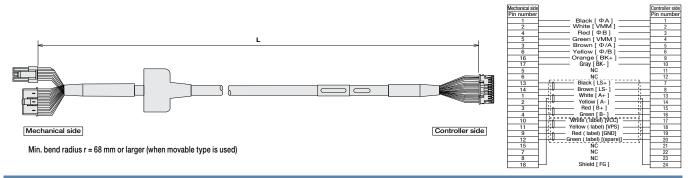
Spare parts

When you need spare parts after purchasing the product, such as when replacing a cable, refer to the list of models below.

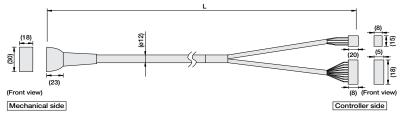
Motor-encoder integrated cable for connecting [RCP3/RCA2/RCL] and [PSEP/ASEP]



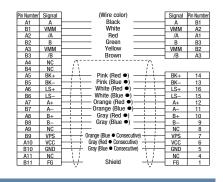
Motor-encoder integrated cable for connecting [RCP2] and [PSEP]



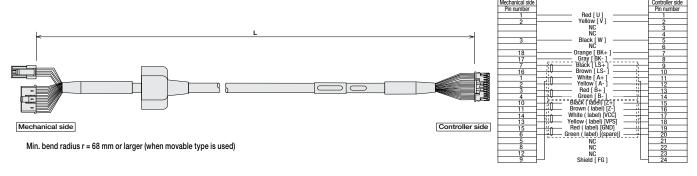
Motor-encoder integrated type cable for RCP3/RCP2 (Limited to RCP2-GRSS/GRLS/GRST/SRA4R/SRGS4R/SRGD4R types)

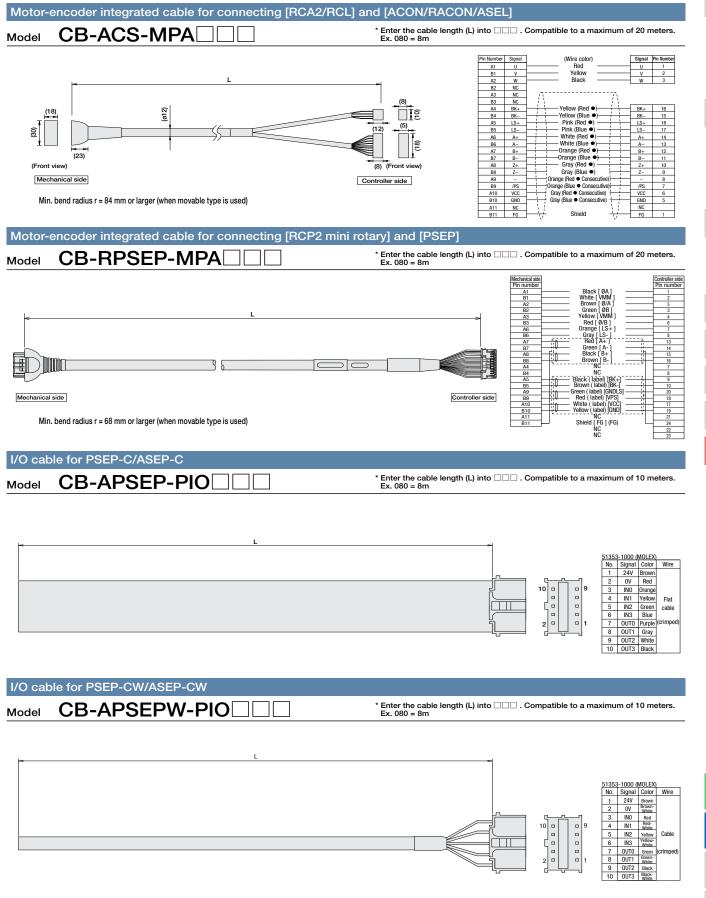


Min. bend radius r = 84 mm or larger (when movable type is used)



Motor-encoder integrated cable for connecting [RCA] and [ASEP]





Slider