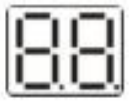
CP　Servo Motor User Manual

1、Front Panel



	Name	Description
	Display area	Display parameter or operating mode
	Add	Parameter select or set
	Sub	Parameter select or set

2、How to Set Parameter

Steps	Description
1	Press “Sub” until display N.0 .
2	Press “Add” to increase index, then select the parameter to be modified .
3	Press “Sub” to show the value
4	Use “Add” or “Sub” to change the value, then wait to return
Attention: All steps should be finished within 6s.	

3、Parameter Table

Index	Range	Default	Description
N.1	0 ~ 9	6	Refers to decrease the motor starting speed L.0 ~ L. 9
N.2	02 ~ 50	30	Max speed. Speed = value x 100 (spm)
N.3	0 ~ 1	1	Needle stop position. 0: down; 1:up
N.4	OF~ ON	OF	Synchronizer function. OF: close, ON: open **Note: Do not open the parameter if not connected to synchronizer.**
N.5	OF~ ON	OF	Motor reverse rotation. OF: close, ON: open
N.6	L / P / H	P	Set up the motor starting mode。 low speed is L, constant speed is P, quick start is H
N.D	1~3	3	Synchronizer type. 1: internal single signal, 2: external single signal, 3: external double signal
N.M	05~50	45	System speed limitation, motor speed never exceeds this parameter. Speed = value x 100 (spm)
*	*	*	*

4、Error Code Table

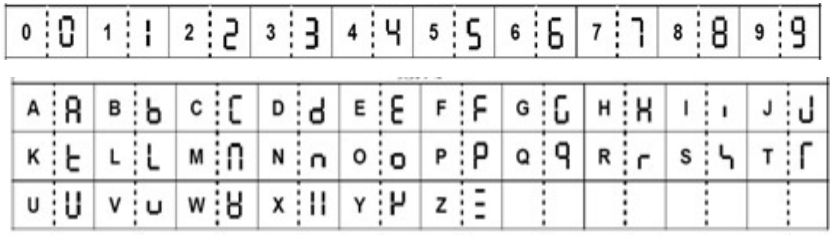
Code	Cause	measurement
E3	Over current	Check motor connector, or replace control box .
E4	Pedal fault	Check pedal connector .
E5	Synchronizer fault	Check Synchronizer connector and position signal
E6	Hall fault	Check motor connector, or replace motor
E7	Lock rotor fault	Check motor connector, or machine head

5、Detection function

Power Up Use “Add” and “Sub” until display number

No.	Item	Method
A	Pedal	Step on the pedals，1.2V~4.2V .

6、Display Characters Table



7、 Special function

> Press “Add key” and “Sub key” together exceed 3 seconds will restore all parameters.

> Detection function: Press “Add key” and “Sub key” together go to standby .