BJ-2011 Position Controller

（Single Stepper -SH）

Manual

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Summarize:

WUXI BOKIN Co. specialty be engaged in computer's technology and industry automation technology and product's research,design,make and sale. Use company engineer's advanced technique and rich experience in printing,cut bag machine,medical, etc,We provide advanced automation control system for this machine manufacture.

BJ-2011 position control system, it's main specialty is absort similar system's advantage,go by integration design,it's function is full,high performance,high reliability,easy to install and maintain, etc. Now this product is used by every manufactures, and received user's trust and good reputation.

ONE. Main technique index

1　Wide Power supply:110--250V(AC);50Hz/60Hz；1A。

2　Suit range:single,duplicate membrane bottom seal,warm and cordial bottom seal,full-automatic(include stand,zipper bag etc.) and other fixed length positon control equipment(medical pack etc.)

3　Roller diameter: 0.0~149.9mm

4　Fixed LENGTH:0000~9999mm

5　SPEED:　0~300 part/min.

6　NUMBER count：000~999

7　BATCH　count: 0000~999

8　Ountline-dimensions:260mm(w)*130mm(h) *80mm(d).

9　weight：1.6kg

CH.2 . Operate

System is realtime control,After parameter setting up,execute immediately, don't need press "RESET" key.

1 Open power supply, system is power on state.

2 press "SETUP"key, up-down loop move setting parameter,items is:

2.1 L Length setting, 4 digit display,mm.

2.2 n Integer preset, 4 digit display, PCS. (default:100),Alarm before 5 pcs.

2.3 S High speed limit for Stepper motor, 2 digit display,0~99. (0=100%,1—99%)。

2.4 H Color photoelectricity detection's valid range,when make printing products use. If track to L+H value, color code not found,system acquiesce in this end product,and alarm,continuous 3 times for this case, stop machine.

If H=0: search Color all times.

2.5 F password, 4 digit show. Below project is submenu,exact input password (21), these parameter will show, otherwise no show.

2.5.1 d pull roller diameter, 3 digit show, 00.0~149.9mm。

2.5.2 ⌐ whole Integer pull time preset，0~9: 1--10s。

2.5.3 b: machine type,0--99

2.5.3.1 when b＝0，count to "n" value,alarm and pull relay (JD2) will output.

2.5.3.2.1 when b＝1，count to "n"， machine will stop.

2.5.3.3 when b =2--99， count to n， machine will pause for 0.2—9.9s, meanwhile pull relay switch on(JD2), meanwhile main relay auto start work.

2.5.4 E: stepper motor curve.0~8 。 Setting different value,motorspeed is different, slow speed high tor. E value slow to fast is: 8,7,6,5,4,3,2,1,0。

2.5.5 C CONK Time befor roll [0--99]*0.1S

2.5.6 U delay time before cuttingknife work[0--99]*0.1s

2.5.7 1. Delay time after CONK(JD6) [0--99]*0.1s

2.5.8 2. WORK MODE：

0: ROLL FIRST, 1：CUTTING FIRST(JD3)。

2.5.9 3. WHEN RUNNING, After receiving the single of HALL Switch, controller will output JD4 [0--99]*0.1S.

2.6 When operator finished setting parameter, system will auto save current parameter.

3 ＋ increment modifying value,press 1 time,inc 1.

4 － decrease modifying value,press 1time, dec 1.

5 Run, start main engine.

6 Stop, stop main engine at high-order position.

7 COL/W: "color" LED light:making printing bag,need color photo-eye trace, "white" :making blank bag, fixed Length.

8 POLAR: Polar LED light：color code track is GK3 Led bright regard as color code.

Polar LED dark：color code track is GK3 Led black regard as color code.

9.AUTO (check Length): At "stop" state, press "→"(for.),system auto setting roll length value.

10 CLEAR: press this key, clear the COUNT to zero, when press long than 3 second, clear the BATCH to zero。

11 RESET system recover to initial state. Due to system is realtime control, advise not use this key.

12 For(→)，when initial adjust,slow roll bag forward.

13 Back(←)，when initial adjust, slow roll bag back. When running, Number-1.

CH.3 Out wiring

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | | | | | | | | | | |

(RIGHT-TOP)

| | | | | | | | | | | | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | |

(LEFT-TOP)

LABEL	FUNCTION	LABEL	FUNCTION
1、2	Main machine control switch	15	GND
3	Nc1	16	GK1: NOT USE
4	BUZZ	17	GK2: HALL SWITCH SINGLE
5	GND	18	GK3: PHOTO-ELEC. SENSOR
6	+12V	19	GK4:NOT USE.
7	CP1	20	Out RUN key (SWITCH to GND)
8	CP2	21	Out STOP key
9	CW (DIR.)	22	NC2
10	PULL output	23	Out FOR key
11	CONK output	24	Out BACK key
12	(*)CUTTING output		
13,14	AC220V		