SCH Computer fixed-length controller family

（SCH－Ⅱ Type）Version Ver8.1

User Manual

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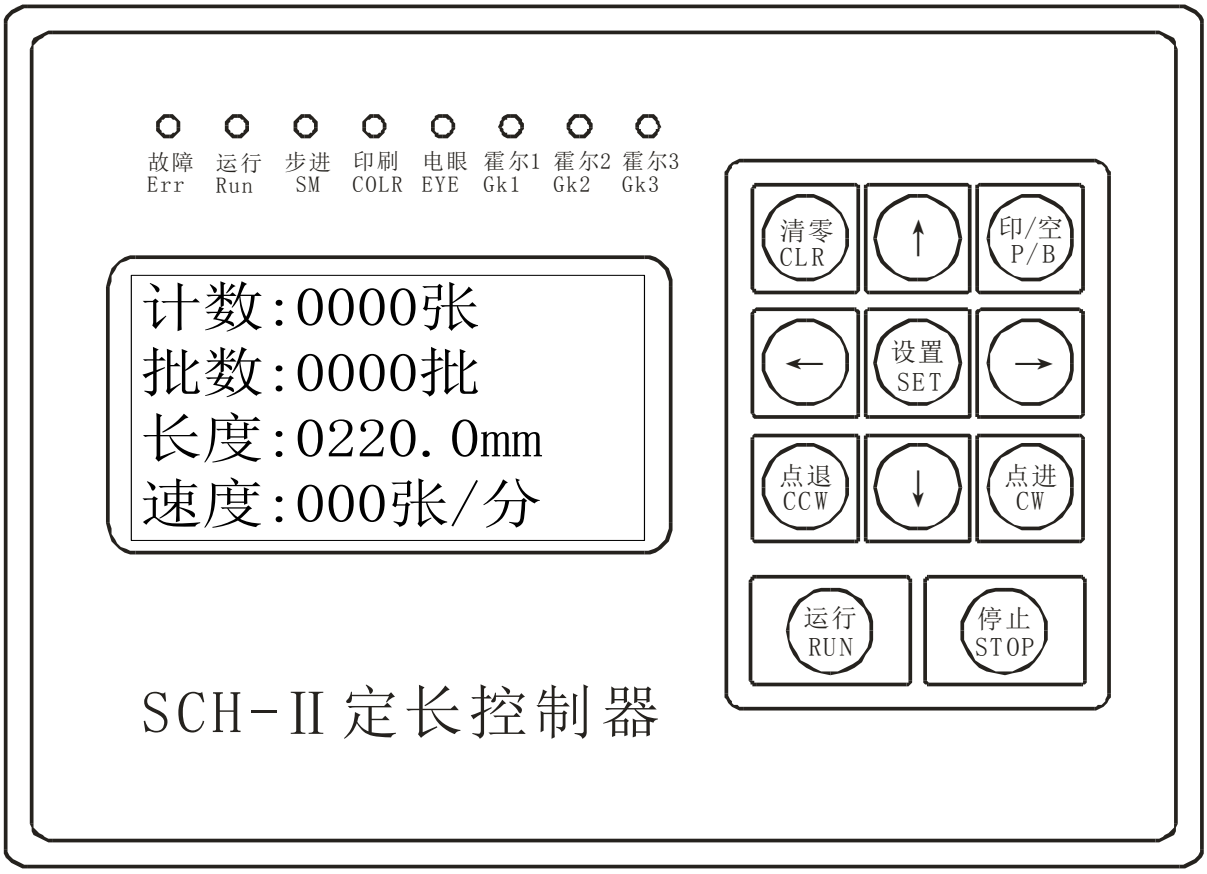
一、 SCH-Ⅱ microcomputer system is suitable for fixed-length eagerly machine, Cutting machine, cutter, single-film flexible packaging machines and other machinery. The system is designed in the electrical, optical as a whole, using high-performance single-chip microcomputer as the core, control, high torque, high-precision stepper motor control of fixed-length, high-resolution optical switch track is amended to align with the system's machinery, a high-speed, accurate and stable performance characteristics.

二、 Control panel



三、 面板说明

Panel Description

lamp	Function Description
故障（Err）	Failure alarm light
运行（Run）	Host running lights
步进（SM）	Step pulse output light
印刷（COLR）	Work for the printing light
电眼（EYE）	Electric eye lit when there is signal input (X2 port)
霍尔 1（Gk1）	Hall signal input when there is low light (X0 port)
霍尔 2（Gk2）	Feeding with the high Hall lit a signal input (X1 port)
霍尔 3（Gk3）	Backward Hall are lit when the signal input (X3 port)

KEY	Function Description
设置（SET）	Enter the settings menu (to switch menu), as in the settings menu within 30 seconds without key operation, Automatically save data and exit to the primary menu
↑	Settings menu, set the value of plus 1. The primary menu for the automatic target-seeking function keys (print bags valid)
↓	Settings menu, set the value of minus 1 The primary menu for the function keys count minus 1
←	Settings menu, set the bit left Primary menu, function keys for a total stop (reset button)
→	Settings menu, set the bit shifted to the right Primary menu, the host jog
清零（CLR）	Clear the production count, the number of zero, clear the batch number
印/空（P/B）	Printing method and a blank bag bag mode switch
运行（RUN）	Machine running
停止（SOTP）	Stop the machine (cutter automatically stop at a high level)
点进（CW）	Stepping forward pull material (run-time invalid)
点退（CCW）	Stepping backward pull material (run-time invalid)

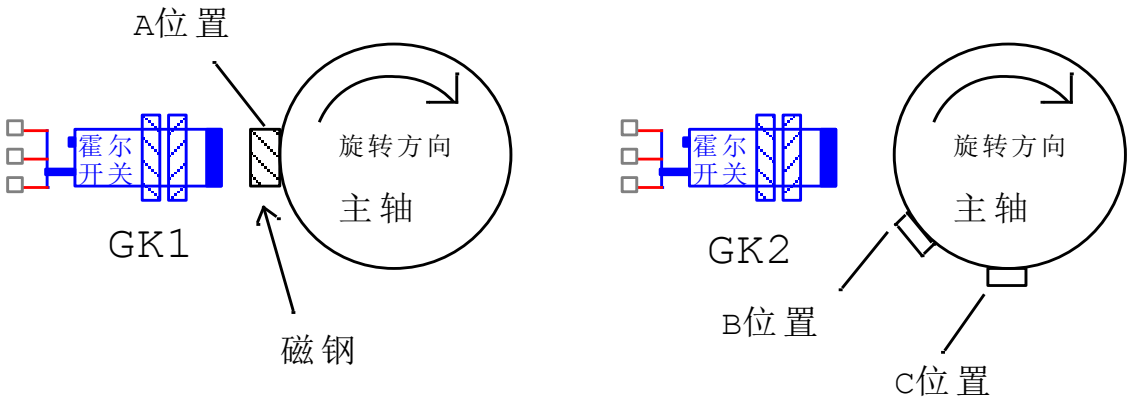
Function Code	Description	MIN	MAX	INIT	Units
Start-up screen					
Count	Currently cutting the number of	0	9999	0	Sheets
batches	Current cutting the number of batches	0	9999	0	Approved
Length	Current cutting the length of the	10	5000	220	mm
Speed	The working speed of the current machine	0	999	0	Sheets / min
Layer 1 screen					
01._Length	Set the length of the cutting	10	5000	220	mm
02._ Stepping speed	The speed of the stepper motor is running, the fastest 0, 99 slowest	0	99	18	%
03.__Electric eye mode	The subject do the tracking color printed bags⇔ Black work ⇔automatically white			Automatic	
04.___Batch number	Single batch of the number of values	6	9999	100	Sheets
Layer 2 screen					
05.___Single batch 05.__Air cut the number	Downtime, stopping the machine does not automatically turn on after 9 stop The empty cut the number of (specific models)	0	9	0	S 次
06._Mode	Work when the machine is turned on First cutter⇔ first feeding			First cutter	
07._ Punching	Punching switch Close⇔_Open			Close	

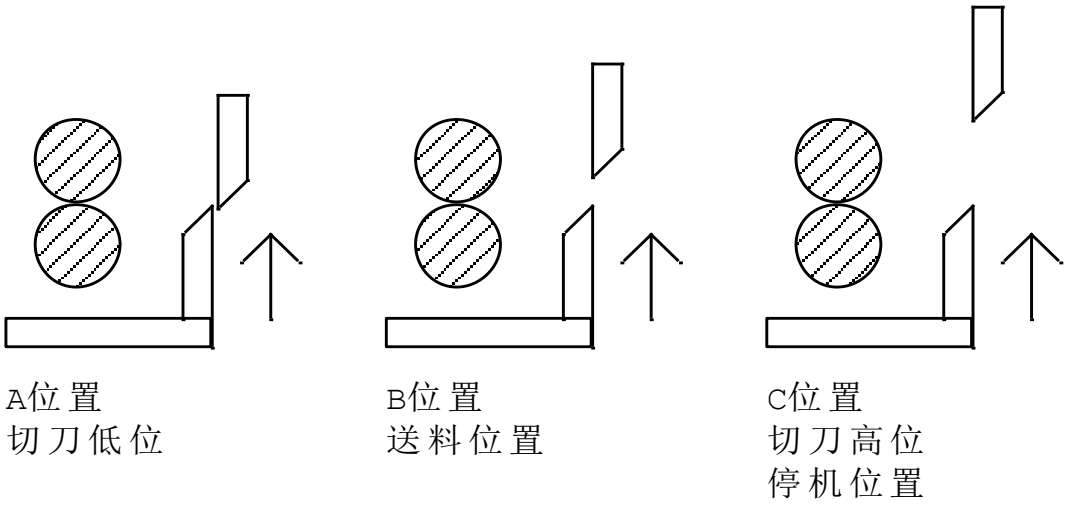
08._ Password	Enter the password of the lower screen	0	9999	0008	
Layer 3 screen					
09._ Punching	Punching the electromagnetic valve time	0	999	30	ms
10._ Diameter	The diameter of the feeding stick	20.00	200.00	70.00	mm
11._ Stepping curve	The slope of the vertical speed, 1 fastest, 9 slowest	1	9	4	档
12._highest frequency	Stepping the highest frequency, stepper can run the highest speed	0	99	70	%
Layer 4screen					
13._ Tracking speed	Eye tracking speed (step minimum speed)	0	20	3	%
14._Tracking the number	Photoelectric tracking the number of = 1infinite seeker	1	5	3	次
15._ Tracking ahead of schedule	In advance the length of the eye tracking color-coded	0	30	3	mm
16._ Tracking lag	Electric eye tracking, color-coded lag length	0	50	10	mm
Layer 5 screen					
17._Model	Various functions of the model selection Shutdown type⇔_Non-stop model⇔_First back send type⇔_Regress machine			Shutdown type	
18._ Backward length	Stepping back the length of the	0	99	0	mm
19._Stop lag	Press the stop button to stop the high delay time	0	9	0	S
20._ Language	The choice of language of the screen			中文	
Layer 6screen					
21._Sealing time	The sealing photoelectric eye at this time in the no signal on the shutdown = 0, non-blocking material to protect	0	9	0	0.5S
22._ Backlight	LCD backlight off delay time = 0, has been open	0	99	0	S
23._ Punching	Delay in the punching of the time	0	999	0	ms

lag					
24._ Password	Enter the password of the lower screen	0	9999	2858	
Layer 7 screen					
25._Limit the number of	The operation of the machine limit the batches	0	9999	0	批
26._ Password change	Password change	0	9999	2858	

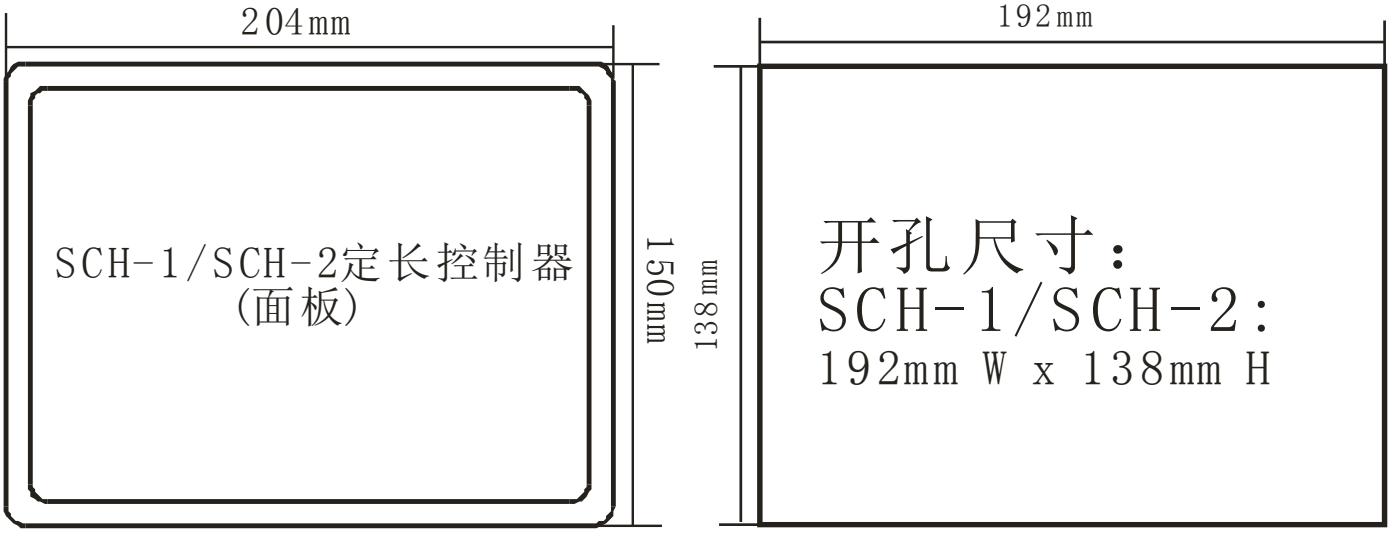
Note: To enable to limit the batches, according to the following settings,
λ Press the button to enter the parameter setting state to switch to the 6th floor of the screen, 23. Password menu, enter the factory password 2858
λ switch to Layer 7 screen, select 24. Limit the number of the menu bar, set the number of good you want to restrict the grant of
λ to select and then 25. Password to modify the menu bar to modify the factory password (if you do not change the password to restrict the function of the batches is invalid)
λ To remember the simplicity of the modified password if the password is forgotten, only to return to the factory to change the motherboard, make sure that

Enter the sensor logic diagram





Fourth, the hole size

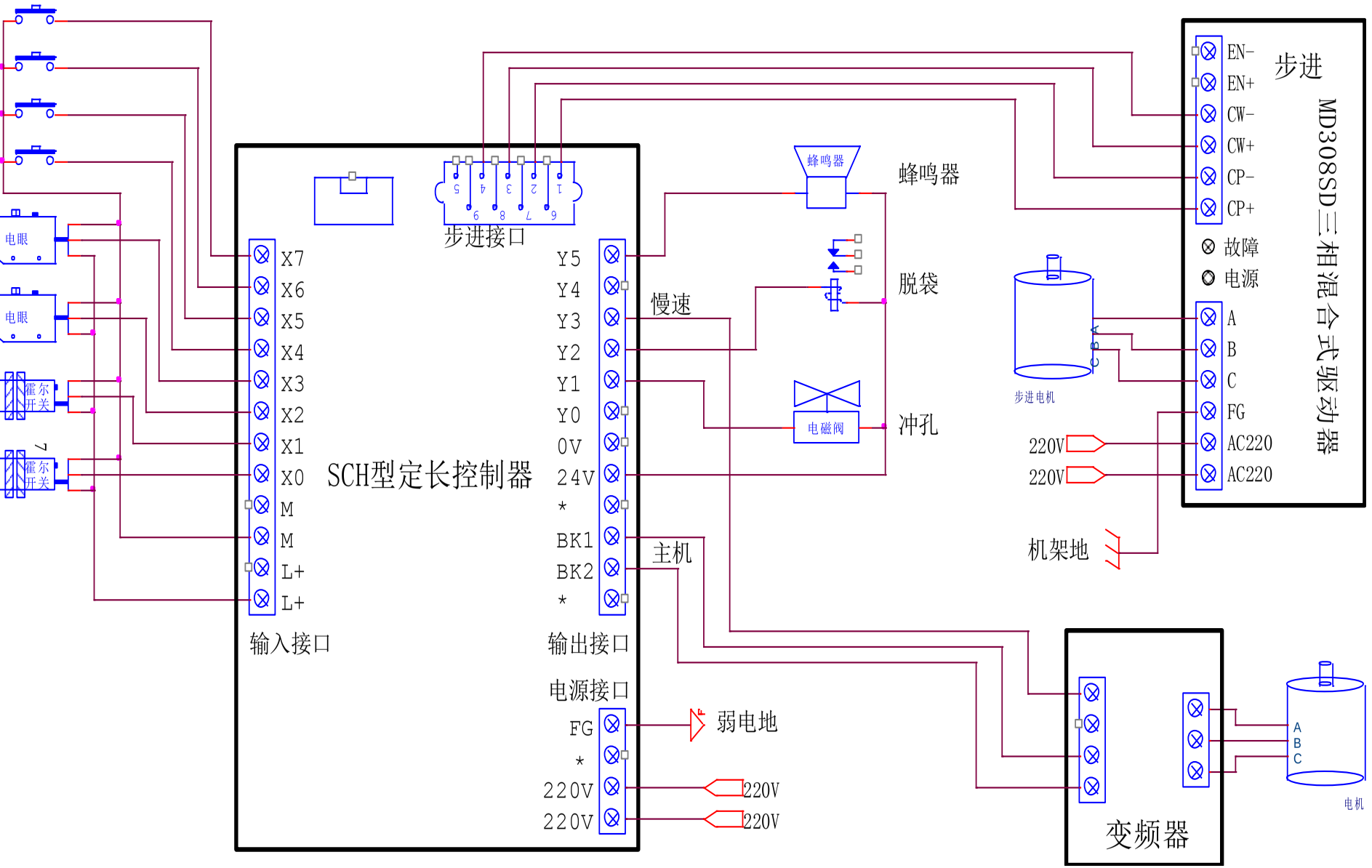


Fourth, the drive is set

λ single-stepping controller, drive step 2000 step

λ dual stepper controller to drive the step 1000 step

Note: At runtime, the external point into or point rewind button, the count value minus one function. If the model is to step back for this machine, the electric eye of the blocking material be replaced with backward Hall.


电眼
电眼
霍尔开关
霍尔开关
步进接口
SCH型定长控制器
X7
X6
X5
X4
X3
X2
X1
X0
M
M
L+
L+
输入接口
Y5
Y4
Y3
Y2
Y1
Y0
0V
24V
*
BK1
BK2
*
输出接口
电源接口
FG
*
220V
220V
蜂鸣器
蜂鸣器
脱袋
慢速
电磁阀
冲孔
主机
弱电地
220V
220V
步进电机
220V
220V
机架地
步进
MD308SD三相混合式驱动器
EN-
EN+
CW-
CW+
CP-
CP+
故障
电源
A
B
C
FG
AC220
AC220
变频器
A
B
C
电机