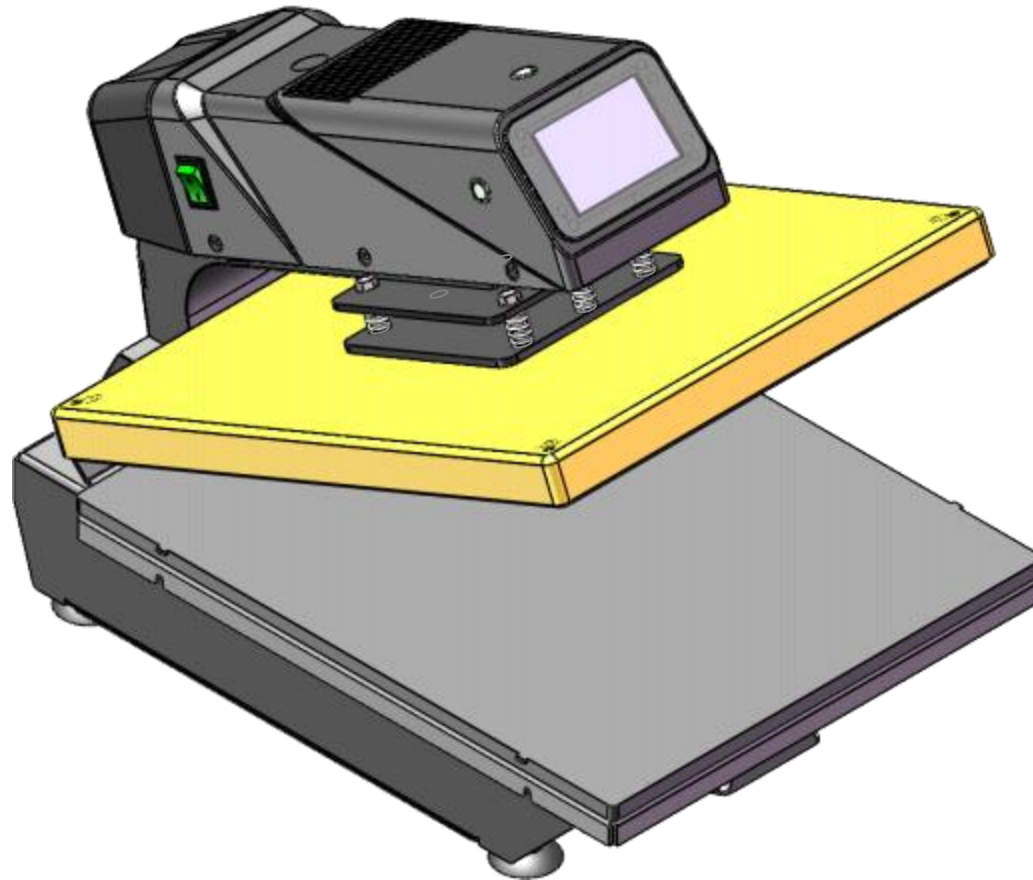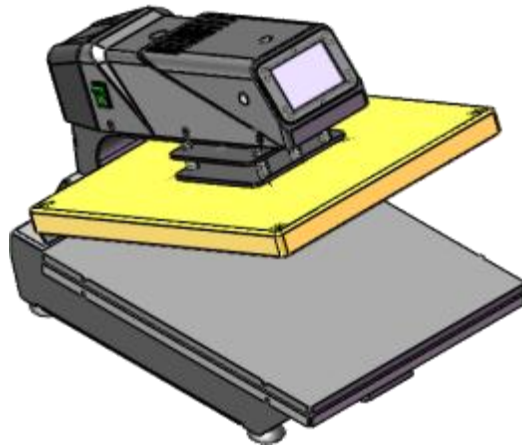# X-type electric motor-20
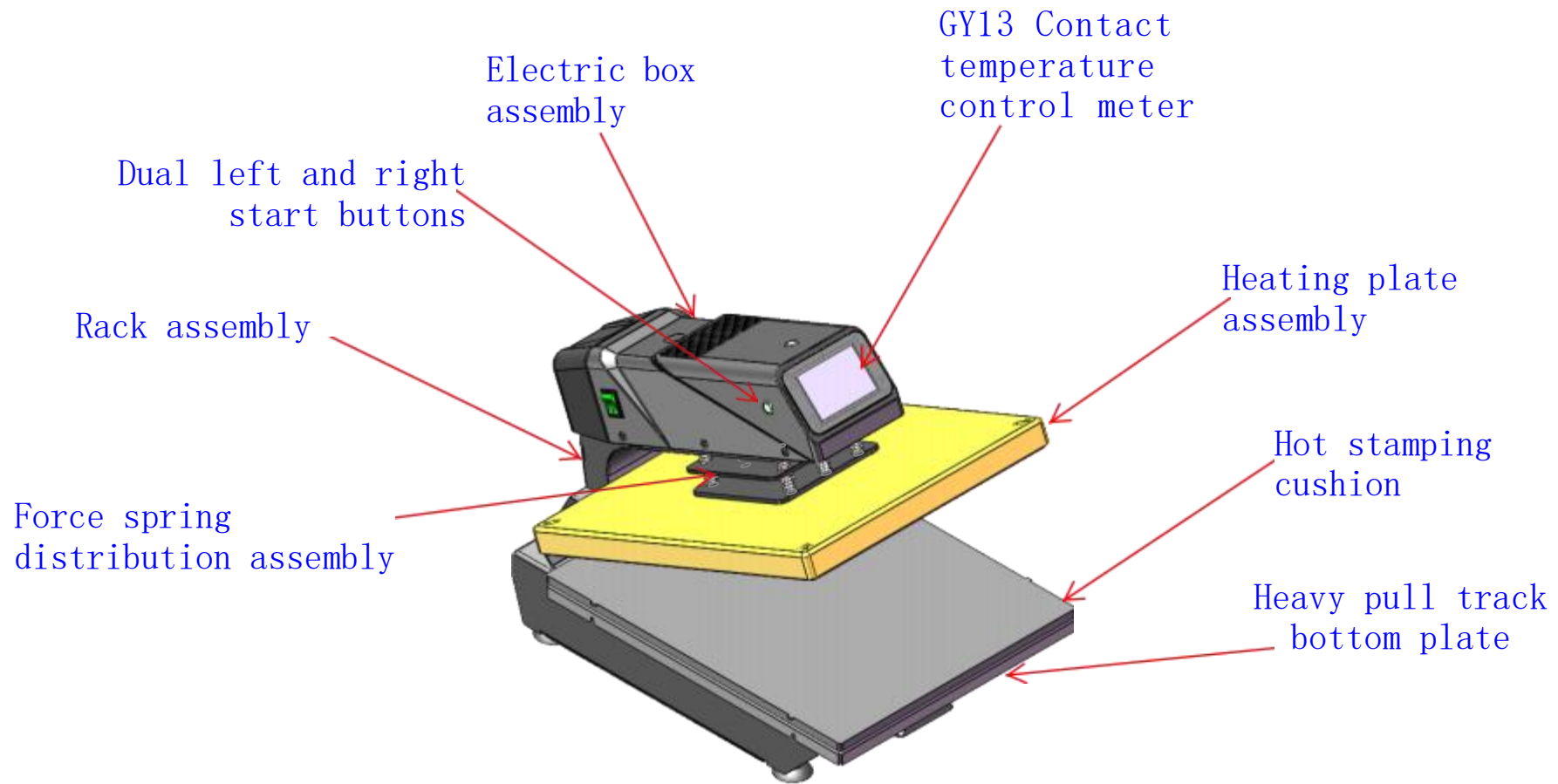
X-type electric motor 20
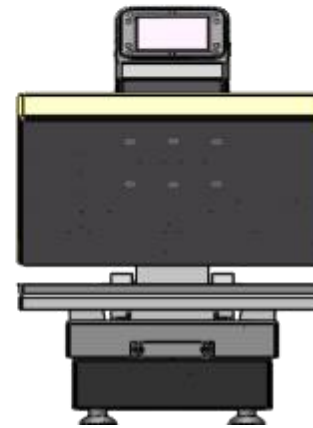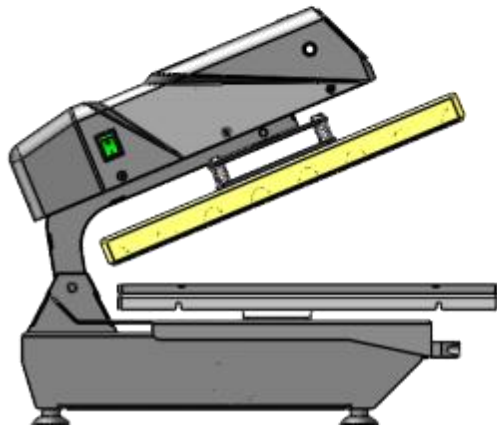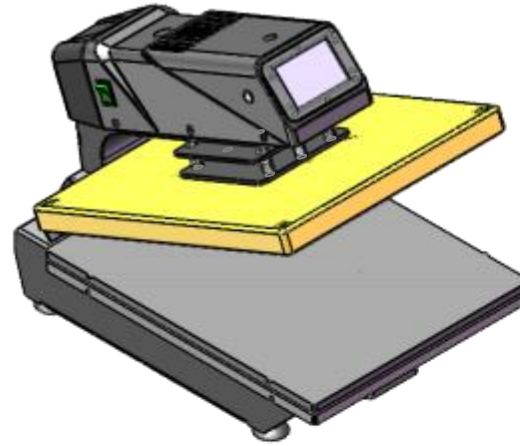
NO.	P/N	MATERIAL	QTY	NO.	P/N	MATERIAL	QTY
1	rack-4	A3	2	26	400-500 Cloth cushion	A3 plate	1
2	stiffening plate	A3	4	27	transformer		1
3	rack-6	A3	2	28	solid state relay	material not specified	1
4	rack cover plate sheet metal	A3	1	29	slide bottom plate 350		2
5	plug	round steel	2	30	slide middle plate 350		
6	isolating sleeve	Plug steel	1	31	slide center plate 350		2
7	Heating board adapter board	A3	1	32	X-type 20 base plate	A3 plate	1
8	upper transfer plate	A3	1	33	presser foot	A3 plate	1
9	upper transfer plate	A3	2	34	X-type electric box-23.11.20	A3 plate	1
10	spring2.5X30	A3 plate	6	35	GY13 meter		1
11	M6X35 Slotted shaft position screw	A3 plate	2	36	60 fan	A3 plate	1
12	X-type boom connector	A3	3	37	metal switch	A3 plate	3
13	X type boom catheter	seamless steel pipe	1	38	breaker		2
14	X-type boom connector-2	A3	1	39	rocker type switch		1
15	X-type boom connector-3	A3	1	40	40-50 die-casting heating plate C	356.0-T6 permanent molded castings (SS)	1
16	X-type 20 boom cover plate-2	A3	1	41	hex screw_am		4
17	X-type 20 boom cover plate	A3	1	42	X-type 20 pedestal	A3 plate	1
18	X-type boom side panel-2	A3	2	43	380 actuator connecting plate	A3	1
19	X type electric box partition 20	A3 plate	1	44	380 actuator connecting block	A3	2
20	000L-type electric push rod	A3 plate	1	45	Sucker foot	A3 plate	4
21	000L-type electric push rod 2	A3 plate	1	46	X-base spacer 2	A3 plate	1
22	X-type 20 pull-out plate	A3	1	47	GY13 table frame EE	plastic	1
23	handle	nylon	1	48	GY13 sticker	plastic	1
24	chrome-plated bars	round steel	1	49	X-type 20 Heat shield CC universal	A3 plate	1
25	X-type 20 bottom cover plate	A3	1				

Electric box assembly

GY13 Contact temperature control meter

Dual left and right start buttons

Heating plate assembly

Rack assembly

Hot stamping cushion

Force spring distribution assembly

Heavy pull track bottom plate
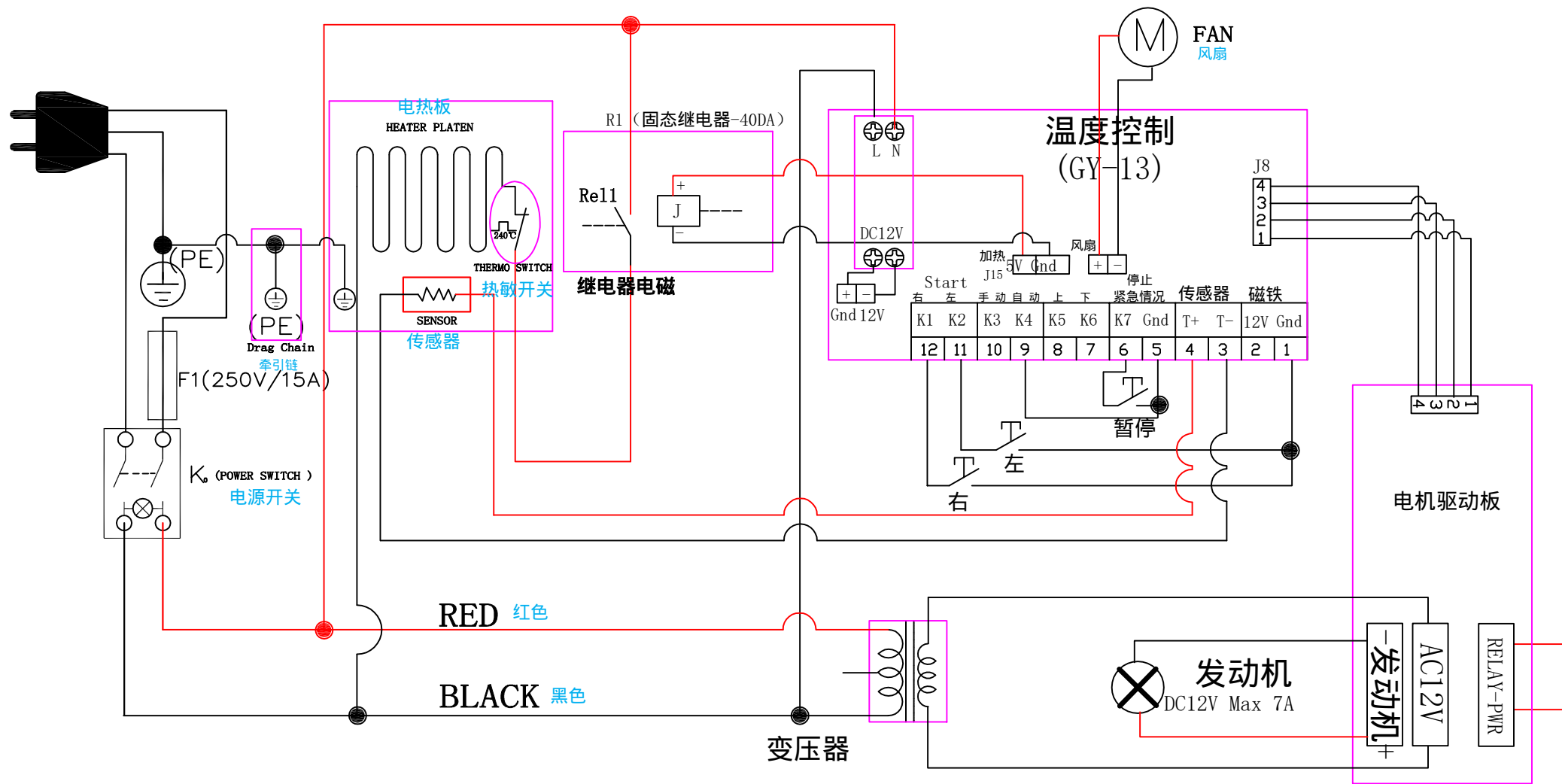
1. Rack assembly 2. Control panel assembly 3. GY13 Contact temperature control meter 4. Dual left and right start buttons
5. Force spring distribution assembly 6. Heating plate assembly
7. Hot stamping cushion 8. Heavy pull track bottom plate

X-type electric motor-20

Electrical diagram — X-15/20

Labels visible in the diagram:

- REVISION: A
- MODIFIED ITEM
- ORIGINAL
- CHANGE TO
- REMARK
- REPLEASED BY
- DATE: 2024-4-22
- (PE)
- (PE) Drag Chain
- F1(250V/15A)
- K₀ (POWER SWITCH)
- HEATER PLATEN
- 240℃
- THERMO SWITCH
- SENSOR
- R1 (-40DA)
- Rel1
- J +/-
- L N
- DC12V
- Gnd 12V
- Start
- J15 5V Gnd
- (GY-13)
- M FAN
- +/-
- J8 4 3 2 1
- 4 3 2 1
- K1 K2 K3 K4 K5 K6 K7 Gnd T+ T- 12V Gnd
- 12 11 10 9 8 7 6 5 4 3 2 1
- RED
- BLACK
- DC12V Max 7A
- AC12V
- RELAY-PWR
- PROD NO. X-15/20
- PROD NAME Electrical diagram

Subject: About X type motor GY-13 table operation matters

(A)Customer's first use instructions (heating plate pressed against the base plate):

①：Plug in the AC220/110V power supply according to the machine voltage requirements, and turn on the red boat power switch;

②：Power on the machine, 3 seconds later, the red power button indicator in the lower right corner flashes ;

③：Long press the power button " " for 2 seconds to start the temperature control meter, while the panel flashes, the heating board slowly rises synchronously, stops after reaching the highest position, and the first boot is completed.

(B)Temperature control meter operation instructions：

一：On the home screen, tap -/+ to adjust the pressure value; The value ranges from 1 to 9. (Stress values are not stored in the three sets of memories) When the pressure value is set to 1, the distance between the upper heating

plate and the bottom plate is 1CM

二：Press the touch screen "1/2/3" to switch three groups of memory Settings. The selected one is with outer box, as shown in the figure above is【1】;

三：Press the "S" key, the temperature unit "°C or °F" flashes, start to set the temperature, and press "-/+" to adjust the temperature;

Press the "S" key again. The first group of time "S" will blink. Press -/+ to adjust the value.

Press the "S" key again, and the second group of time "S" displays blinking. Press "-/+" to adjust the value;

Press the "S" key again to save and exit, enter the main interface, and the machine enters the heating mode;

After each setting is completed, the current set value is saved to the 【1】【2】【3】memory value lit up in the outer box.

As it heats up, flashes.

四：When the heating plate temperature reaches the set temperature, it will sound like "BB", then you can press the start key with both hands: the heating plate will automatically press down (the use of the start key will vary depending on the P8 setting value)

①When P8=1, press the left and right start keys with both hands at the same time (both hands must be pressed at the same time, if the difference is more than 1 second, the heating plate cannot be pressed down), do not let go during the pressing process of the heating plate (if let go, the heating plate will lift), after the pressing is in place, the buzzer will sound, the countdown will start, and will blink, 3 seconds before the countdown, the buzzer

will sound, and the countdown will end. Heating plate rises;

②:When P8=0, "both hands at the same time" press the left and right two start keys (both hands must be pressed at the same time, if the difference is more than 1 second, the heating board cannot be pressed down), the heating board is pressed down (you can immediately release), when the heating board is pressed down in place, the buzzer will sound, the countdown will begin, and will blink, 3 seconds before the countdown, the buzzer will sound, the countdown will end, and the heating board will rise;

(2 countdown timer cycle; after using only the first countdown, the button will not respond, you must use both countdown timers to operate the button; you can also set the first time 0, only use the second time)

During the transfer process, press the red emergency stop button on the top of the machine, the heating plate will rise;

五：Engineering mode:

Press and hold the "1" and "+" keys for 3 seconds at the same time to enter the engineering mode setting:

P-1: Switch the temperature unit "℃" and "℉", press "-" "+" to adjust; 01=℉, 00=℃; Default 0

P-2: Temperature correction, calibration range -50 ~ +50; Default 0

P-3: Parameter P, set range 0 ~ 240; Default 200

P-4: Parameter I, set range 0 ~ 240; Default 15

P-5: Parameter D, set range 0 ~ 240; Default 25

P-6: Sleep time, set range 0 ~ 240 minutes; Default 240

P-7: Motor mode, setting range: 000 manual mode; 001 DC motor mode;

002 AC motor mode; Default 001

P-8: Press down to start mode, setting range: 000 hands start immediately; 001 Both hands simultaneously delay start; Default 000

① : Set 000 is to press the left and right buttons of both hands at the same time to start immediately;

② : Set 001 is to press the left and right keys at the same time for 2 seconds to be released when the hot plate is pressed into place;

P-9: Manual/automatic mode, setting range: 000 Manual mode; 001 is automatic mode; Default 000

① : Use manual mode set 000, the screen AUTO is not displayed, to start with one hand or two hands;

② : Use the automatic mode set 001, the screen AUTO display, the bottom plate push in place, automatic start;

P-A: countdown buzzer sound mode; Default 001

①:P-A set to 002, after the time to 0, start ringing; Keep on, keep on ringing;

②:P-A set to 001, 3s in advance start ringing; Keep on, keep on ringing;

③: When P-A is set to 000, the buzzer does not ring;

P-B: Pressure sensor mode, setting range 000/001: default 000

①: Set 000, the main interface displays the pressure value, the range is P0 ~ P9;

②: Set 001, the main interface always displays the pressure value, Pc Pd Pe synchronous display in engineering mode:

P-F: Adjust the compression time. The adjustment range is -30 to 60, corresponding to -3000 to 6000 ms. If the value is 0, the preset time is 4000

ms. The factory setting value is −14 (which means the preset down time is 2600 milliseconds);

P-G: Rise time adjustment. The adjustment range is −30 to 60, corresponding to −3000 to 6000 milliseconds. If the value is 0, the preset time is 4000 milliseconds. Set to 10, which means the default upturn time is 5000 milliseconds;

P-H: counting function, when the countdown is completed, the Cnt will be accumulated once, when the accumulation reaches 999999, the CNT will blink; This value can't be cleared;

The chart below shows that 3294 counts have been made