Main Board

- 148 mm
- 72 mm
- 80 mm
- 138 mm

(open_R) (open_L)
XF NO2 COM NO1   IR4 GND 12V IR3 GND 12V IR2 GND 12V IR1 GND 12V GND 24V+

Unlock Input   Anti pinch   Power Input

IR type：PNP

Open_R Vaule
Set
Open_L Menu

Top LED Panel Speaker RGB LightBar   Hall Input Motor Clutch

12V G1 G2 GND   + SP -   24V 12V R G B   5V W V U GND   W V U   + BK -

To Salve Board

Slave Board

- 90 mm
- 72 mm
- 80 mm
- 82 mm

NO2 COM NO1 B G R 12V 24V 12V G1 G2 GND

Unlock Input   RGB LightBar   Top LED Panel

Open_L
Open_R

12V GND 12V GND 12V GND 12V GND

To Main Board

Hall Input Motor Clutch

5V W V U GND   W V U   + BK -
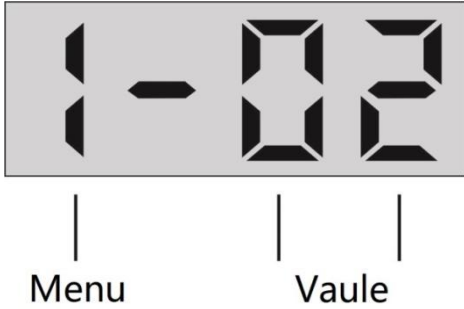
Gate Position Adjustment

1，Press "SET"（middle button）for 5 times continuously, the system will prompt "please adjust gate manually".

2， Push the gate to the target position and stop it for 3 seconds. The speaker prompt "beep" or the LED light flashes once, the system will take the current position as the target position.

The system will automatically determine whether the target position is left, right or middle target position.

3, Finally, push the gate to the middle target position and holding for about 10 seconds. The system will prompt " adjustment completed " , then the whole program is finished.

*In most cases, the system will automatically obtain the appropriate left position and right position, and the user only needs to adjust the middle position

Parameter Setting

1，Long press the "Set" button, till the nixie tube flashes.

2，The "Menu" button for chosing the menu, the "Vaule" button for setting the parameter.

3， Long press the "Set" button again to exit and save the parameter.。

menu	function	range	default	Parameter function description
0	machine number	1~99	1	For 485 communication
1	Unlock mode	1~6	1	1 : standard; 2 : IR1 respond to unlock 3 : IR4 respond to unlock. 4 : IR1 and IR4 respond to unlock. 5: Normal unlocking. 6: Normal locking.
2	Keeping unlock time	1~90	8	Time unit: Second
3	voice for open_L	0~9	0	0, thank you；1, come in；2, good bye； 3,welcome；4,see you; 5,have a nice day；6, have nice trip；
4	voice for open_R	0~9	3	7, please put on your safety helmet；8, Verify success；9 null(mute);
5	volume	1~9	5	The higher the value, the higher the volume
6	Main motor speed	1~25	15	The higher the value, the higher the speed
7	Slave motor speed	1~25	15	
8	Restore factory	0~2	0	1 : Automatic aging test 2 : Restore factory
9	Show down range	1~30	10	To control the effect of gate panel swing, the higher the value, the earlier the braking
10	Null	1~9	3	Null
11	n by n passing	0~1	0	0 : n by n passing function off 1 : n by n passing function on
12	Locking control	0~9	2	0: When pedestrian pass through the middle sensor, the gate will close. 1: When pedestrian reach the last sensor, the gate will close. 2: When pedestrian pass through the last sensor, the gate will close. 3 ~ 9: After passing the last group of IR, the gate will close with a delay (n-2 second)
13	Number of motors	0~1	0	0 : Dual motor 1 : Solo motor
14	Language	0~1	0	0 : Chinese；1 : English
15	Stacking control	0~1	1	0: No rebound in case of resistance

				1: Rebound in resistance
16	Stacking sensitivity	1~9	5	The higher the value, the higher the sensitivity
17	Retrograde control	0~1	1	0: Retrograde trigger does not close the gate, only voice alarm 1: The gate will be closed by retrograde.
18	Type of gate	0~3	0	0: swing gate (quick pass gate) 1: Cylindrical swing gate (supermarket swing gate) 2: Wing gate.
19	Gate open direction When power off.	0~2	2	0: Automatic. 1: Open to left. Open to right.
20	Force of pushing the gate	1~9	5	The greater the value, the greater the force. Excessive force may cause power restart. It is recommended to use the default value for 6.25A power supply
21	Voice of beak in control	0~1	1	0: there is no voice prompt when the illegal intrusion event occurs. 1: There are relevant voice prompts when an illegal intrusion event occurs.
22	IR Signal respond delay	1~9	3	time=vaule*10ms
23	Motors running direction	0~4	0	1: Forward rotation of main motor and reverse rotation of slave motor; 2: Reverse rotation of main motor and forward rotation of slave motor; 3: Forward rotation of main motor and forward rotation of slave motor; 4: Reverse rotation of main motor and reverse rotation of slave motor;
24	Clutch control	0~1	0	0 : normal lock , 1 : normal unlock
25	Hall mode of motor	0~2	0	0 : auto , 1 : mode A , 2 : mode B
26	Input filtering	1~9	3	Vaule*10ms
27	IR anti pinch during unlocking stroke	0~1	0	0: Function off; 1: Function on;
28	Anti tailing alarm	0~1	0	0: Function off; 1: Function on;
29	Sliding gate alarm threshold	0~9	2	The larger the value, the greater the allowable offset position
30	IR2 and IR3 respond to unlock	0~1	1	0: Function off; 1: Function on;

Troubleshooting

Fault code	Fault cause	solution
E010	No main motor is detected	Hall wire or motor wire is wrongly connected, and

E020	No salve motor is detected	motor Hall fault.
E030	Main and slave motor are not detected	
E050	Abnormal self-test	Wrong sequence of Hall phase or motor phase, motor fault, mechanical slipping or jamming
E090	Voltage too low	Check the power supply.