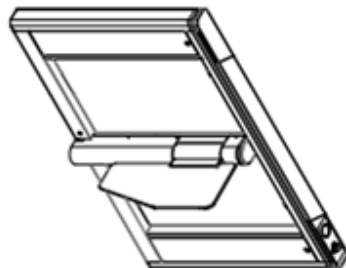
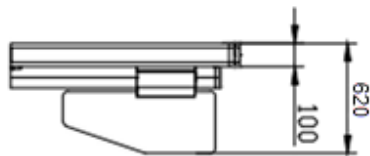
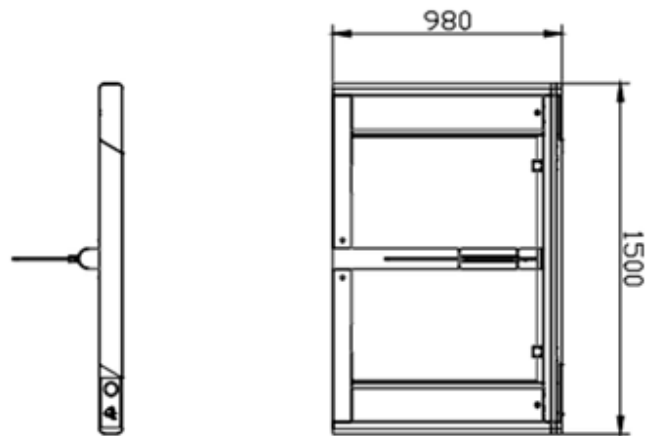
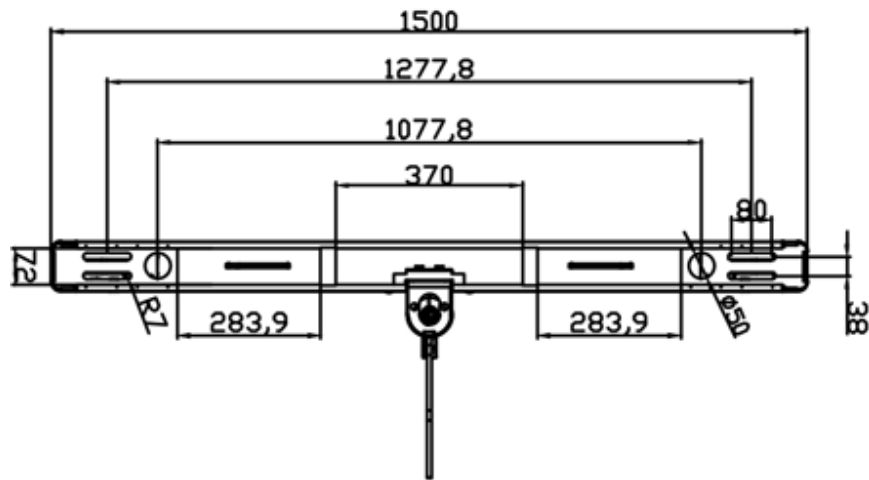


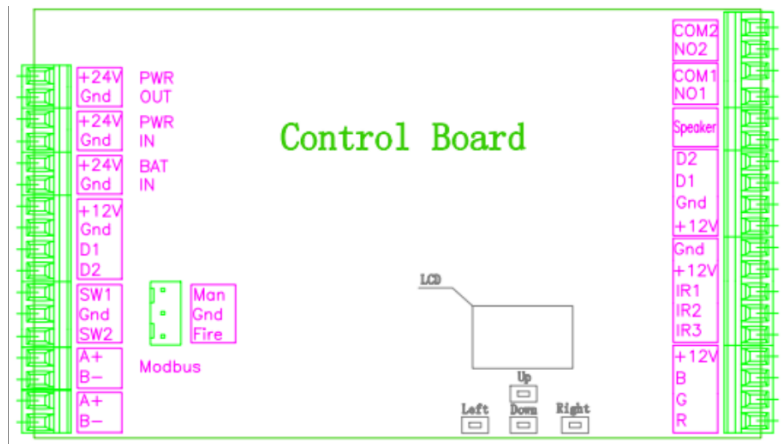
AP4000HD Guía simplificada de instalación.



Dimensiones y medidas de AP4000HD (Lateral).



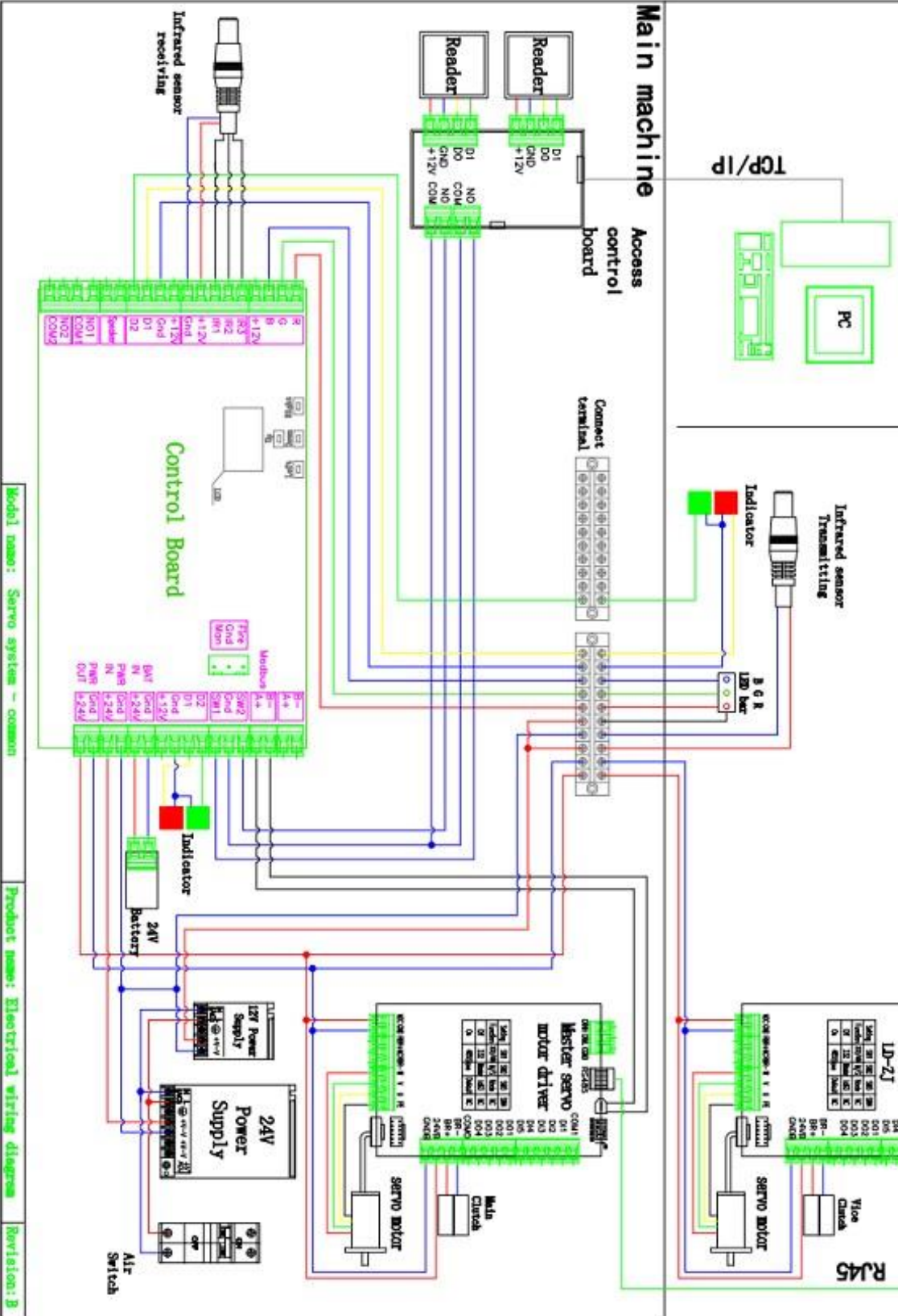
Descripción de tablilla electrónica



(1) PWR OUTPUT	1	+24V	24VDC power output to the driver	Connect to 24V DC power supply
	2	GND		
(2) PWR IN	3	+24V	24VDC power supply	Connect to 24V DC power supply
	4	GND		
(3) BAT IN	5	24V	Standby 24V power output	
	6	GND		
(4) Indicator1	7	+12V	Output for indicator of vice machine D1 for enter direction D2 for exit direction	
	8	GND		
	9	D1		
	10	D2		
(5) Man Gnd Sec	11	Man	Normally open input Fire alarm input	Short for normally open , Close immediately when cancel
	12	Gnd		
	13	Sec		
(6) Enter SW1	14	SW1	Enter open signal input	Connect to access device NO-SW1 COM-Gnd
	15	Gnd		
(7) Exit SW2	16	SW2	Exit open signal input	Connect to access device NO-SW1 COM-Gnd
	17	Gnd		
(8) COM1 (485)	18	A+	RS485 communication	Communication for servo motor driver
	19	B-		
(9) COM2 (485)	20	A+	RS485 communication	Communication for access device
	21	B-		
(10) IR Sensor	22	IR1	Enter infrared sensor Pinch infrared sensor Exit infrared sensor	Control board alarm when sensor be block
	23	IR2		
	24	IR3		
	25	+12V	12V output for infrared	
	26	GND		
(11) RGB LED	27	R	Negative of LED red	Connect to LED bar
	28	G	Negative of LED green	
	29	B	Negative of LED blue	
	30	+12V	+12V for LED bar	
(12) Indicator 2	31	+12V	Output for indicator of vice machine(auxiliary engine) D1 for enter direction D2 for exit direction	
	32	GND		
	33	D1		
	34	D2		
	34	COM1		
(13) Speaker	35		Expand the voice horn	
	36			
(14) Counter	37	NO1	Relay output for enter	
	38	COM1		
(15) Counter	39	NO2	Relay output for exit	
	40	COM2		

PC

Sub machine

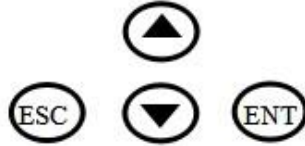


Parameter instruction

Description: the factory has been set up parameters, please do not modify, if you need to modify the parameters, please proceed under technical guidance.

1. Description

1) The display screen is refers to the main control board of 3 LED display from left to right. Four buttons: up and down for switch, ENT for sub-menu, ESC for previous menu.long press right 3 seconds unlock into the menu.



Item	Explain
1. Parameters	
1.1 Counter	Display pass through count
1.2 Gate Mode	Set Gate Mode(NO, NC and card, free or reject) of enter and exit 1.NC both Rej 2 .NC both free 3.NC both card (default) 4 NC Card Free 5 .NC Card Rej 6. NC Free card 7.NC Free Rej 8.NC Rej Free 9.NC Rej Card 10.NO Both Free 11.NO Both Card 12.NO Card Free 13.NO Free Card
1.3 PasTimeout	Set maximum waiting time 10-255, unit 0.1s, (default 5seconds)
1.4 Memory	Set Scan Card With Memory Mode 0 two-way disable(default),1. enter allow,2. exit allow,3. two-way allow
1.5 ReadIn Lane	Set Can Scan Card After Entry Lane,Please do not modify 1. disable (default), 2. allow
1.6 Open Delay	Set Authorized Open Door Delay 0-255, unit 0.1s, (default 0)
1.7 CLS. Delay	Set Close Door Delay After Passage Finish0-255, unit0.1s, (default 0)
1.8 Open SPD.	Set master Motor basic speed 1-100
1.9 Close SPD.	Set vice motor basic speed 1-100
1.10 Pass End	Set IR Check passage end position 1. exit (default), 1 safety
1.11 Intrude Set	Set Intrude Alarm Mode 1.no alarm, 2 .alarm (default), 3. alarm and close

1.12 Reverse Set.	Set Passage From Reverse Alarm Mode 1 no alarm, 2. alarm, 3 alarm and close (default),
1.13 Tail-Gating	Set Tail-Gating Alarm Mode 1 no alarm, 2. alarm, 3 alarm and close (default),
1.14 Entry-Voice	
1.15 Exit -Voice	
1.15 Alarm-Voice	

1.14 Adv. Param.	
.1 Reserved	
.2 Reserved	
.3 Reserved	
.4 Reserved	
.5 Reserved	
.6 Reserved	
.7 Reserved	
.8 Reserved	
.9 Save Fact.	Save the current parameter to factory default
.10 Relay Mode	Set add relay use for passed counter 1. disable,(default),2.Enter allow, 3.Exit allow ,4. both ballow
.11 Auto Report	Set automatic report gate status when on change 1 disable (default), 2 allow
.12 NO Direction	Set the normally open the gate opening direction , the default enter
.13 Power Lost	Set the normally open the gate opening direction when Power failure , the default enter
.14 Barriers	signal or double machine work 1 double (default) , 2 signal
.15 IR Speed	Set IR Sensor Sensitivity(1-100) 0-100(default 100)
.16 IR Type	Set infrared sensor type 1 PNP (default), 2 NPN
.17 IR Logic	Set Use Local IR Sensor Logic
.18 Motor Pro.	Set the motor over current protection threshold, the default 2.5A
.19 Self Check	Set use self check when power on, disabled by default

.20 LED Mode	Set LED indicator default parameter 1 Static LED,2 Square LED
.21 Set DevType	Set Controller Device Type 1 Tripod 2 Flap gate, 3 Swing gate
2. System Set	
2.1 Language	Set Menu Display Language
2.2 Device Type	Display Controller Device Type
2.3 Version	Display hardware and firmware version information
2.4 Set Address	Set Device Logic Address
2.5 RS485 Baud	Set the baud rate of the RS485
2.6 Reset	Reset all setting to factory default.
2.7 Restart	Restart controller
3. Factory Test	
3.1 Cycle Test	Open and close door cycle test
3.2 Input Check	Check input interface status
3.3 Output Test	Output interface test
3.4 Set Zero	Set barrier close position
3.5 Set Ent Pos	Set barrier position of entry open in place
3.6 Set Ext Pos	Set barrier position of exit open in place

Trouble shooting and maintenance

Trouble shooting

Fault 1: board sound alarm when power on ,and the LCD display self-check fail?

Answer: Check the connect RJ45 wires of two servo motor driver , Check RS485 connect wire from servo motor driver to main board

Fault 2: Gate automatically open when people in to first sensor?

Answer: Change pass mode two way free to two way card in the menu.

Fault 3: swipe into the first sensor, Gate give alarm and close immediately?

Answer: This means that the signal connection is opposite, exchange the open signal connect terminal of SW1 Gnd to SW2 Gnd.

Fault 4: indicator light is not bright?

Answer: Take the other indicator or control board from other lane and check it

Fault 5: One side of the barrier does not work?

Answer: 1) Check whether the connection wires is loose;2) Check the motor driver

Fault 6: Barriers not are alignment?

Answer: Reset barriers close position parameter of main board

Maintenance

Sliding gates require regular maintenance by professionals and daily cleaning to ensure long-term stability and extended equipment life.

Maintenance Content:

- * Keep the turnstile housing and card reader panels of turnstile gates clean;
- * Fasten and lubricate the internal movement structure;
- * Check the dust of the driver board and make it cleans.
- * Check the connectors and wiring points to ensure the reliability of the connection.

Maintenance Methods:

1. Cleaning: Check the housing and card reader panels of the gate, and remove the dust and other dirt to make them clean;
2. Rust removal and Lubrication: Check the movement of the sliding gate , remove rust with sand paper and spread with anti-rust oil if corroded;
3. Screws fastening: Check the connection of the various moving parts, fasten the screws where they are loose to avoid causing fault for long-running;
4. Circuit board cleaning: Cut off the power, and wipe dust of the board by using a clean brush;
5. Lines Checking: Check the connecting lines and solder reinforcement if they are loose off.

Note: This product is the strong professional technical equipment. In addition to daily maintenance, please do not feel free to disassemble it. If a fault occurs while running, Please notify our service departments or the authorized service agencies promptly to have it maintained. Do not disassemble it at random to avoid damaging the internal structure or even damaging your interests because of your improper operation.