

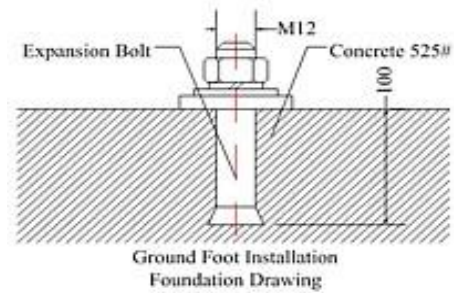
Technical parameter

Housing Material	304 stainless steel
Power	AC220±10% V、 50HZ
Working voltage	DC 24V
Motor	Brush DC motor 30W
Working temperature	-20 °C- 60 °C
Work environment	≦90%, no condensation
Open signal	Passive signals (relay signals, dry contact signals,)
Communication	RS485
Pass rate	≧5 person/min
Passage width	Flap gate 550mm Swing gate 600--900mm

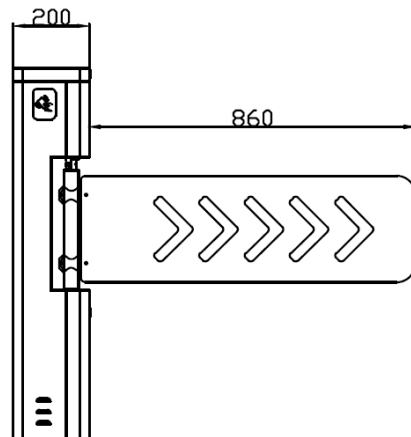
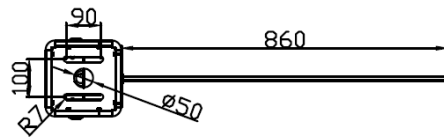
Equipment Installation

1) Tool preparations

1	A set of hexagon spanner	5	Screw driver and other common wiring tool
2	Cross screwdriver 6mm	6	Millimeter
3	Open spanner 17-19mm	7	M12x100 Expansion screws 8pcs
4	Impact drill(including D16 and D14 drills)	8	Cable Tester

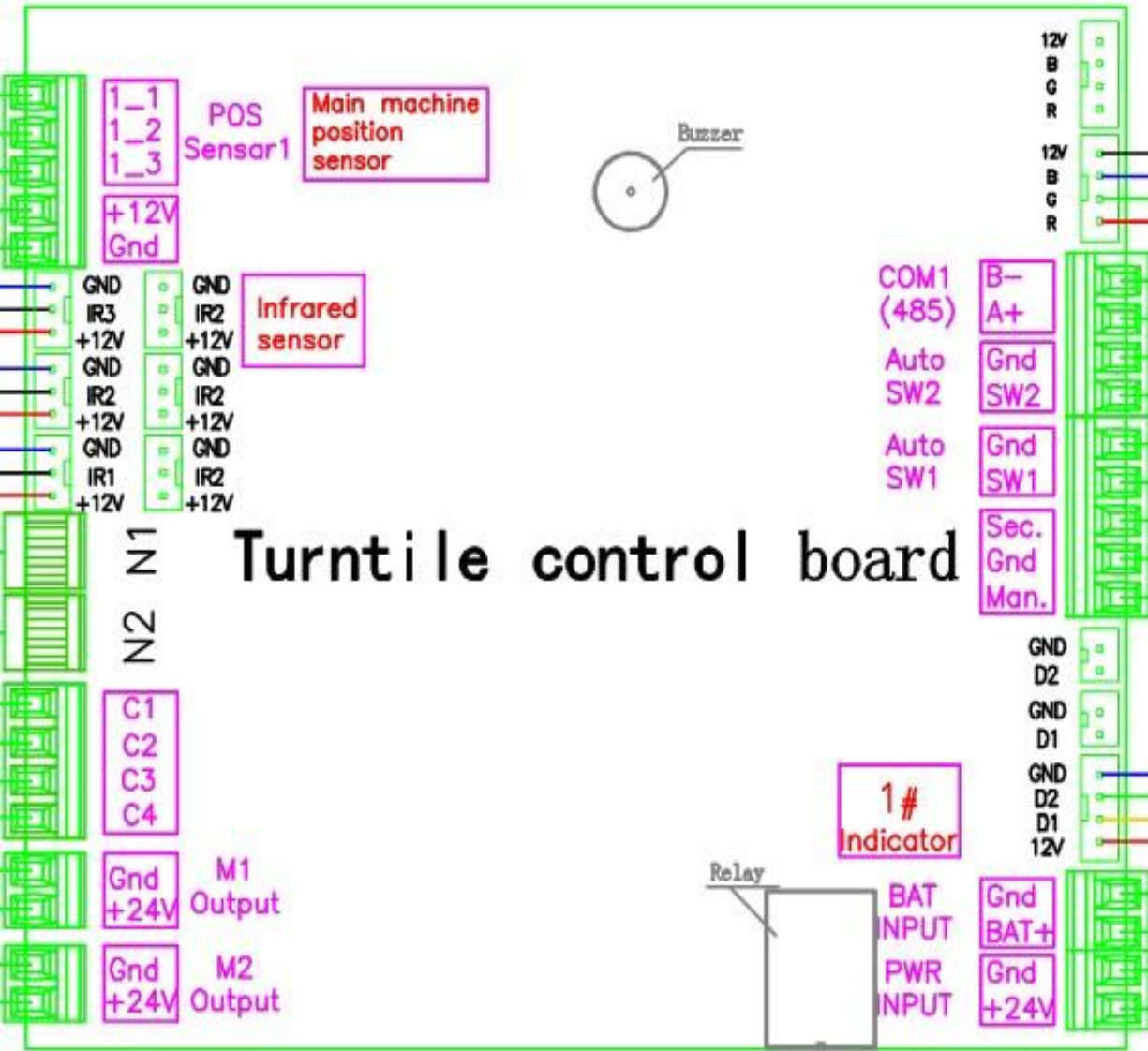


Mechanical dimensions



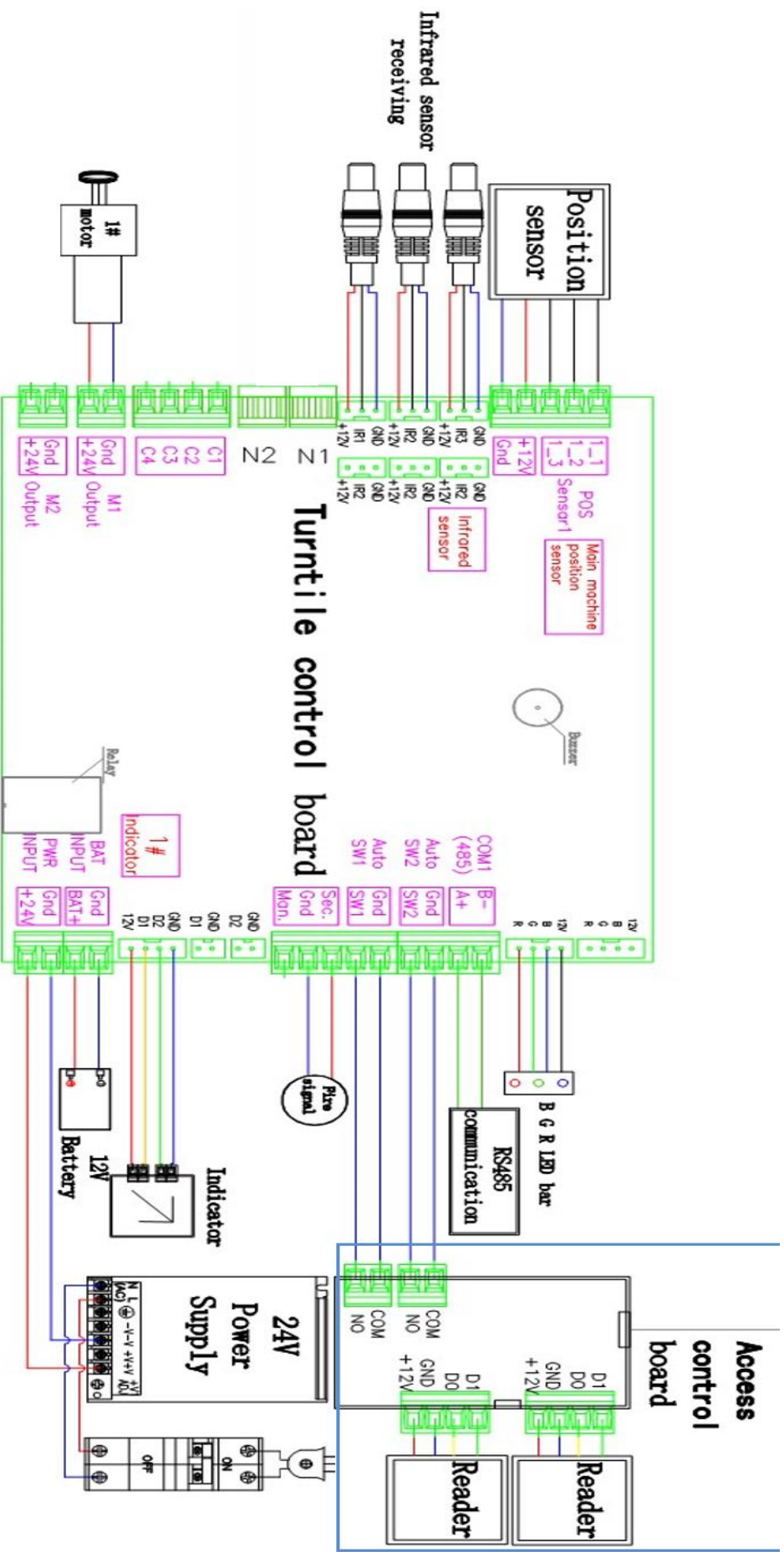
Board and parameter instruction

Board instruction



Connector's description

Port	Instruction			mark
(1) PWR INPUT	1	+24V	24VDC power supply	Connect to 24V DC power supply
	2	GND		
(2) BAT INPUT	3	BAT+	12V battery input port	Connect the 12V battery, Auto normally open when power off.
	4	GND		
(3) Entry Indicator1	5	+12V	Output for indicator of master machine D1 for enter direction D2 for exit direction	Connect to indicator of master machine
	6	GND		
	7	D1		
	8	D2		
(4) Man Gnd Sec	9	Man	Normally open input Fire alarm input	Short for normally open , Close immediately when cancel
	10	Gnd		
	11	Sec		
(5) Auto SW1	12	SW1	Enter open signal input	Connect to access device NO-SW1 COM-Gnd
	13	Gnd		
(6) Auto SW2	14	SW2	Exit open signal input	Connect to access device NO-SW1 COM-Gnd
	15	Gnd		
(7) COM1 (485)	16	A+	RS485 communication	Protocol docking
	17	B—		
(8) RGB LED	18	R	Negative of LED red Negative of LED green Negative of LED blue +12V for LED bar	Connect to LED bar
	19	G		
	20	B		
	21	+12V		
(9) POS Sensor1	22	1-1	left sensor Close sensor Right sensor	Connect to position sensor of core in the master machine, flap /slide gate only use two sensor(open and close)
	23	1-2		
	24	1-3		
	25	+12V	12V output for sensor	
	26	GND		
(10) IR Sensor	27	IR1	Enter infrared sensor Pinch infrared sensor Exit infrared sensor	Control board alarm when sensor be block
	28	IR2		
	29	IR3		
	30	+12V	12V output for infrared	
	31	GND		
(11) N1 Entry Indicator 2 POS Sensor2	32	D2	Output for indicator of master machine D1 for enter direction D2 for exit direction	Connect to indicator of master machine
	33	D1		
	34	GND		
	35	+12V		
	36	2-1	left sensor Close sensor Right sensor	Connect to position sensor of core in the master machine, flap /slide gate only use two sensor(open and close)
	37	2-2		
	38	2-3		
	39	+12V	12V output for sensor	
	40	GND		
(12) N2	41	C1	Reader reserve a place	
	42	C2		
	43	C3		
	44	C4		
	45	R	Negative of LED red Negative of LED green Negative of LED blue +12V for LED bar	Connect to LED bar
	46	G		
	47	B		
	48	+12V		
(13) M1 output	49	GND	Motor output for mater machie	Connect to motor of master machine
	50	+24V		
(14) M2 output	51	GND	Motor output for vice machie	Connect to motor of vice machine
	52	+24V		



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 "ENT " 3 seconds unlock into the menu. Select advanced parameters, and long press "ENT + Down " 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 PassTimeout	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 Finish 0-255, unit 0.1s, (default 0)
1.8 Motor1 SPD.	Set master Motor basic speed 1-100
1.9 Motor2 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 Adv. Param.	
.1 EN_O_SPD.1	Set Motor 1 Speed when Open Door for Entry
.2 EN_C_SPD.1	Set Motor 2 Speed when Open Door for Entry
.3 EX_O_SPD.1	Set Motor 1 Speed when Close Door for Entry
.4 EX_C_SPD.1	Set Motor 2 Speed when Close Door for Entry
.5 EN_O_SPD.2	Set Motor 1 Speed when Open Door for Exit
.6 EN_C_SPD.2	Set Motor 2 Speed when Open Door for Exit
.7 EX_O_SPD.2	Set Motor 1 Speed when Close Door for Exit
.8 EX_C_SPD.2	Set Motor 2 Speed when Close Door for Exit
.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 allow
.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)
.15 IR Type	Set infrared sensor type 1 PNP (default), 2 NPN

.16 IR Logic	Set Use Local IR Sensor Logic
.17 Motor Pro.	Set the motor over current protection threshold, the default 2.5A
.18 Self Check	Set use self check when power on, disabled by default
.19 LED Mode	Set LED indicator default parameter 1 Static LED,2 Square LED
.20 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