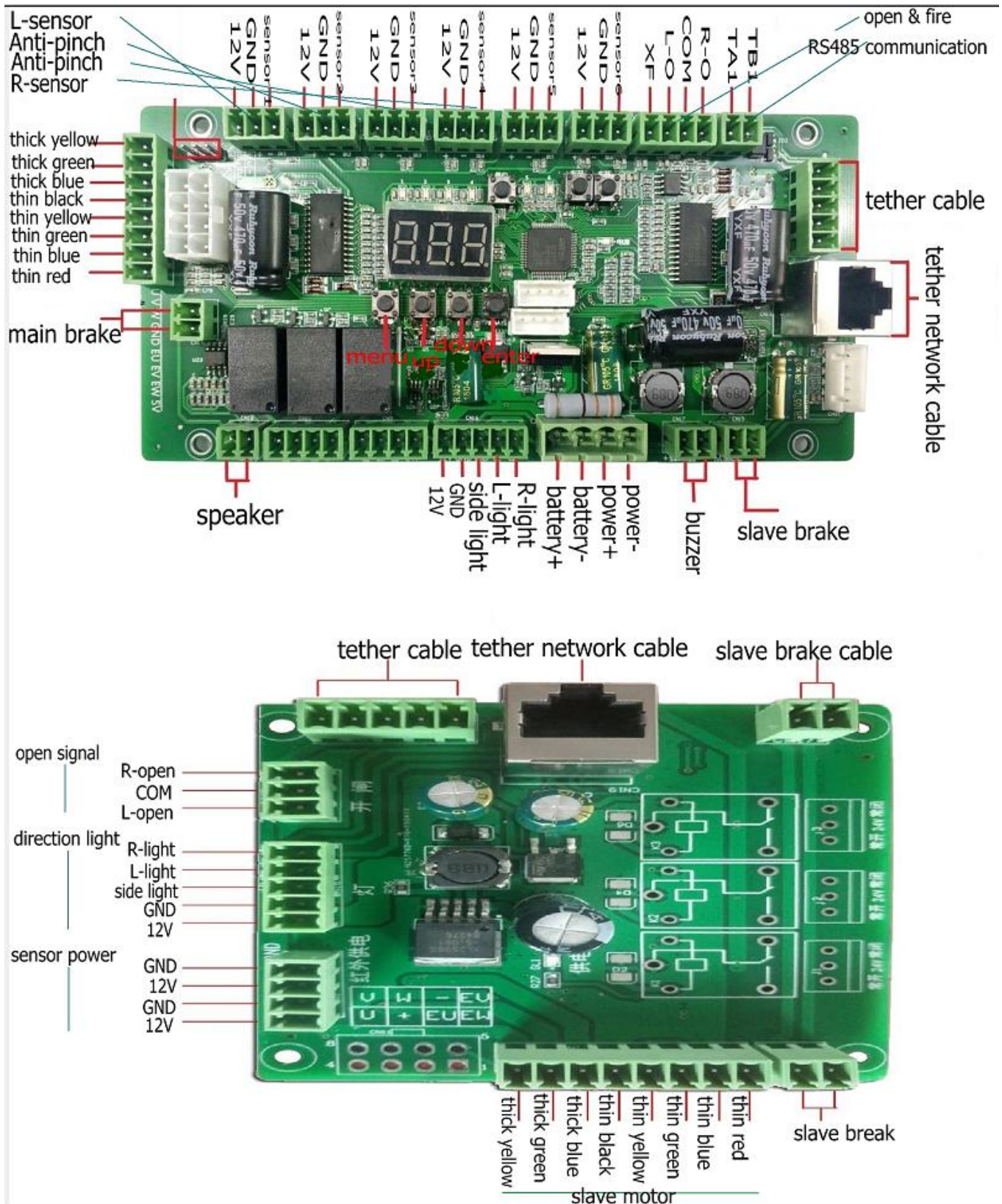


DC Brushless Control Board Using Manual

1.Main control board and slave control board wiring diagram



2.Setting methods

menu No.	description	default	setting range	unit
L-1	Entry/exit starting time(S)	6	0-30	second
L-2	Turnstile working mode: 0:swiping on both left and right 1:sensor on left and swiping on right 2:sensor on right and swiping on left 3:sensor on both left and right	0	0-3	second
L-3	Close delayed (S)	0.2	0-50	
L-4	Left pass voice	1	0-18	
L-5	Right pass voice	15	0 means welcome 1 means welcome again	
L-6	Sensor overlay time(S)	3	0-30	second
L-7	Gate open direction when power off	0	0 means open left 1 means open right	
L-8	Alarm voice	0	0 means swipe cards please 1 means beep	
L-9	Entry/exit memory function setting	0	0 means with memory function 1 means without memory function	
L-10	Sensor with anti-pinch	1	0 means not close gate 1 means close gate	
L-11	Sensor quantity	4	0 means 4 pairs 1 means 6 pairs	1 for option
L-12	Voice decibel	15	0 is MIN 15 is MAX	
L-13	Voice testing		Press enter to exit	
L-14	Burn-in testing		Press enter to entry Press menu to exit	
L-15	Main motor type option	0	0/1	
L-16	Slave motor type option	0	0/1	
D-1	Close position setting		The gate can be moved as your wanted position if it is ragged	
D-2	Left open position setting		Left open after entered, move the gate position as your want.	
D-3	Right open position setting		Right open after entered, move the gate position as your want.	
D-4	Open/close speed setting	3	1-10	1 is the fastest 10 is the slowest

D-5	Turnstile mode	0	0 means swing turnstile 1 means flap turnstile	
D-6	Have clutch or not	0	0 means no 1 means yes	
D-7	Rebound mode	0	0:rebound and keep open when touch someone 1:pause and keep open when touch someone	
D-8	Against strength	10	1--10	Larger number with stronger strength
D-9	Reset time	0	0.1-10	
D1-10	Main close buffer force	50	1-150	
D-11	Main motor force	65	1100	
D-12	Slave close buffer force	15	1-150	
D-13	Slave motor force	65	1-105	
D-14	Power	6	1-10	
D-15	Zero speed	5	1-10	
D-16	Turnstile zero direction	0	0-1	
D-17	Anti-pinch sensitivity	75	1-99	
D-18	Anti-pinch current time	10	1-99	
D-19	KP	160	100-999	
D-20	KI	10	1-200	
D-21	Clutch Suction angle	15	1-2	
D-22	Duty cycle of clutch adjustment	40	1-100	
D-23	Anti-pinch reaction time	40	1-100	Larger number with lower speed
D-24	Locked rotor zero sensitivity	2	0.1-100	smaller number with larger slow down

3. FAQ:

(1.Under standby mode, keep press enter, will turn into 3 horizontal bars, and then press the up and down buttons more than 3 times in total, and press the enter to restore the original settings. If the gate opens and closes repeatedly, please set D-23 to 50.

(2.Please use the power supply more than 12V/6.5A because the control board is one controls two mode.

(3.If the two gates open/close are not synchronized, please check the D-10 and D-12, which one is slower then set it same with the faster one. If you need high speed, please use 24V/10A power supply, set D19 to 230, set D21 to 10.

(4.Setting mode for the turnstile with clutch motor:set D-6 to 1, set D-8 to 2, set D9 to 5, and set D-10 & D-12 to 15.

(5.Adjust instruction for flap turnstile:need to use 3000 rotate 30K DC brushless motor set D-4 to 1, set D-5 to 1, set D-10 to 90, set D-12 to 90 and set D-19 to 230. If the zero is not in the correct position, please change set D-16 to 1.