PAB-BD HSNR
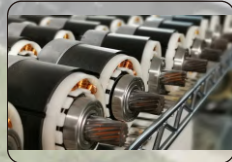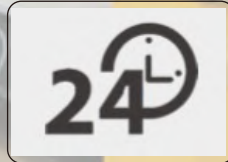## 0.9s High Speed Barrier
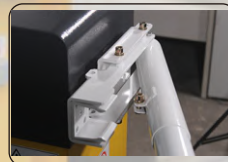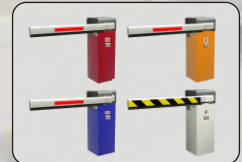
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10 Million MCBF DC Servo Motor

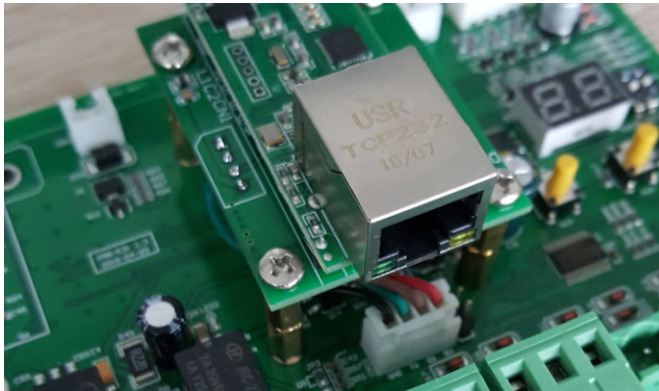**100% Duty Cycle 7*24 Hrs. Work**

Swing-off & alarm

Color optional

New generation barrier **PAB-BD-HSNR** adopts free-maintenance DC brushless torque motor and PWM variable frequency servo controller, fast but smooth moving. Incredible 10 million MTBF and 100% duty cycle makes it continuously work at 7*24 hrs with long life span. Its boom direction is exchangeable, boom type can be changed at site without replacing any parts. Opening/closing time 0.9s for Max.3m round boom, or 1.5s for Max.3.5m round boom. It can be controlled by smart phone via WIFI and by PC via TCP/IP.

Smartphone Control Your Barrier (Optional)

The barrier gate can be connected to your smartphone via WIFI, so you can open and close barrier gate on your smartphone. You can also program the barrier on your smartphone such as setting opening/closing time.

*Dashou App should be installed in your smartphone, and Dashou WIFI module should be installed in barrier controller.
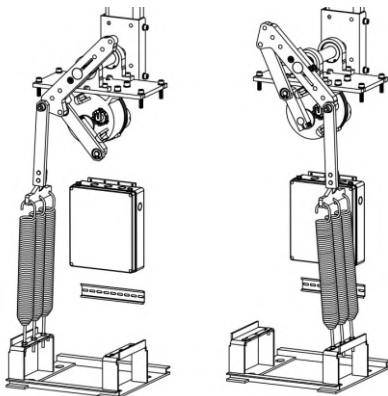
TCP/IP RJ45 Port for Easy Integration (Optional)

The barrier provides optional TCP/IP RJ45 port, which can integrate the barrier with your own system conveniently, so you can control the barrier by your own system.

*Dashou RJ45 module should be installed in barrier controller, and communication protocol will be provided by Dashou

Free-maintenance DC Brushless Servo Motor
10 million cycles MTBF & 100% duty cycle

Free-maintenance DC24V brushless servo torque motor ensures 10 million cycles MTBF long life span; 100% duty cycle makes barrier continuously work at 24*7 hours; Max. 50W low consumption makes barrier environment friendly but outputs super strong torque
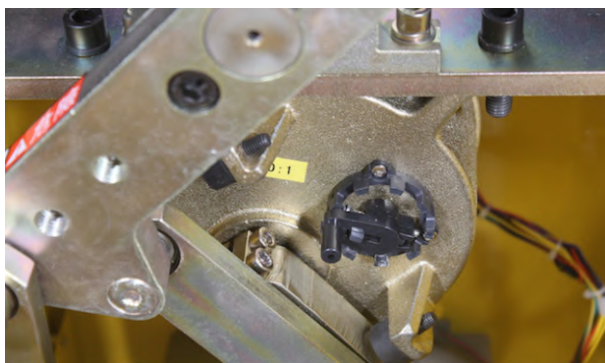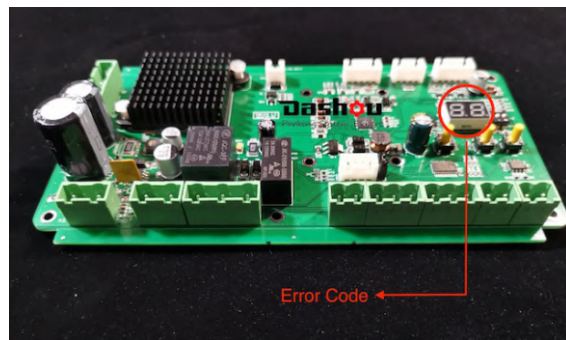

Leftward   Rightward

Boom Direction Is Exchangeable Without Replacing Any Parts

In the past you have to keep stock for barriers with different boom direction as different sites may require different boom direction. But now boom arm direction can be exchanged easily at site without replacing any parts

Automatically Check Status and Report Error

Barrier system will automatically check its operation status and show errors code on its LED tube if an error occurred. This helps you quickly find out problem and find solution.

Error Code

Manually Control In Case of Power Failure

If power supply is off, you can manually open/close the barrier gate by the black lever. Also boom can be manually locked in any position between horizontal and vertical by this level.

Warning: Not allowed to use the function when power on, may hurt your hand and damage the motor.

Boom Auto-Reverse On Obstacle

While moving down, boom will automatically reverse immediately once it is obstructed by vehicle or pedestrian, which protects the vehicle or person. The sensitivity is adjustable.

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Boom Swing-off Protects Boom and Vehicle

Boom will swing off 90 degree if it was hit by a vehicle, this is to protect both vehicle and boom. It is optional. You can easily add swing-off module to a barrier which is without swing-off.

Backup Solar Panel or Lead-acid Cell

DC motor barrier can be powered by solar panel or lead-acid cell for back up power supply. Especially solar power is environment friendly which is good for earth.

Lead-acid Cell   Solar Panel

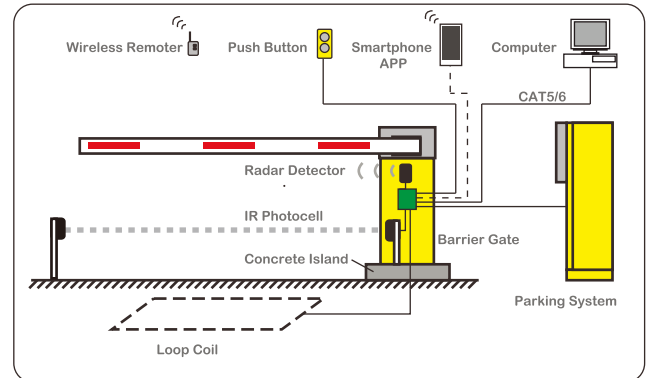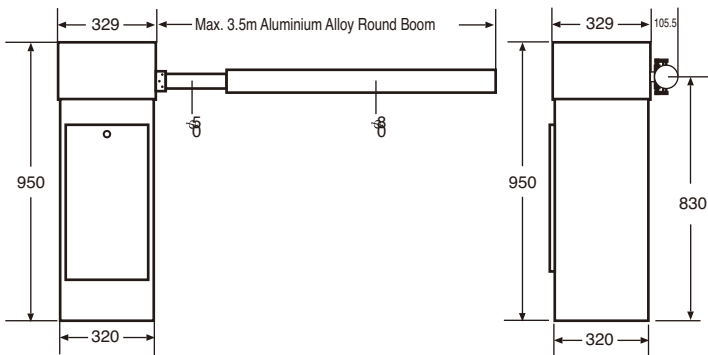### LED Illumination Makes Boom Visible In The Night

LED Illumination bar can be installed onto boom to make boom visible in the night, so that drivers can view barrier and boom clearly, this improve safety of both barrier and vehicle. Also LED decorates barrier gate.

More Features

1. 0.9-1.5 sec. speed adjustable on controller or APP (A WIFI module must be connected and APP is installed into a smart phone)
2. Quite smooth moving with Max. 3.m round boom
3. Different types of boom can be changed without replacing any parts
4. Variable frequency controller automatically detects and optimizes boom moving, ensures smooth moving without shake
5. Simplified design, easy installation and maintenance reduces your labor cost
6. Boom open up fully or close down in case of power failure
7. Boom will be automatically locked in case of power failure (Can not work together with function 6 at the same time)

8. Alarm when boom swing-off (Optional)
9. Safety of Vehicle--- Anti-hit by Loop Detector (Optional)
10. Safety of Vehicle--- Anti-hit by IR photocell (Optional)
11. Safety of Vehicle--- Anti-hit by "Opening Priority"

12. Closing Priority
13. Automatically close in given time (Programmable)
14. Automatically close or open by loop detector (Optional)
15. Disable or enable function of "Always-open mode" by the remote
16. Disable or enable function of "Memory of repeated opening"
17. Heavy-duty and simple-design housing
18. Anti-condensation in cold climate
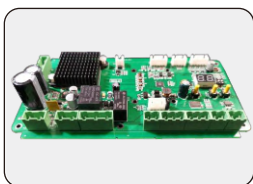19. Transparent plastic covers on control board

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Dimension（mm）

329 | Max. 3.5m Aluminium Alloy Round Boom | 329 | 105.5

950 | 320

950 | 830 | 320

Application

Wireless Remoter | Push Button | Smartphone APP | Computer

CAT5/6

Radar Detector

IR Photocell

Concrete Island | Barrier Gate

Parking System

Loop Coil

Technical Parameter

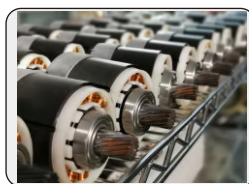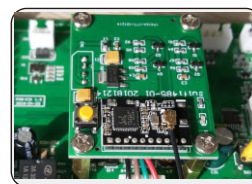|			
Opening/closing time	0.9~1.5 sec. adjustable	Communication Interface	RS-485 or TCP/IP RJ45
Boom	Max. 3.5mtr. Aluminum alloy round boom	Wireless Remote	Two Remoters, distance>20m
Boom	Round arm diameter: 50mm,Foam diameter: 80mm	Housing Material	2mm cold-roller sheet
Boom Direction	Leftward / rightward exchangeable	Housing Painting	Powder coating last 10 years
Power Supply	AC100~240V, 50/60Hz, Max.0.5A	Protection Rating	IP 54
Motor	50W DC24V brushless servo torque motor	G.W / N.W	46/44KG
Duty Cycle	100% duty cycle	Package Dimension	1100×480×430mm
MCBF	10 Million Cycles (Mean Cycles Before Failure)	Dimension	950×320×329mm (H*W*D)
Max. frequency	15,000 operation cycles per day	Operating Temperature	-30°C~55°C
Controller	PWM variable frequency servo controller board	Operating Humidity	10% ~ 95%

Accessories
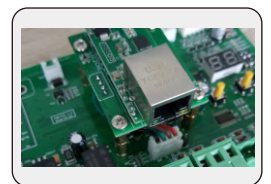
PWM variable frequency servo controller board

Remoter: transmitter, distance>20m

50W DC24V Brushless Servo Torque Motor

WIFI Module Smartphone control barrier

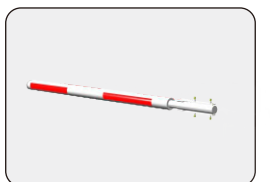Ethernet Module Make your system control our barrier

Swing-off and alarm

Ground Induction

Loop Detector

Photocell

Aluminum alloy round boom