PAB-BD HSNR(0.9S)
High Speed Barrier

Dashou®
Parking System Expert

10 Million MCBF
DC Servo Motor

100% Duty Cycle
7*24 Hrs. Work

Swing-off & alarm

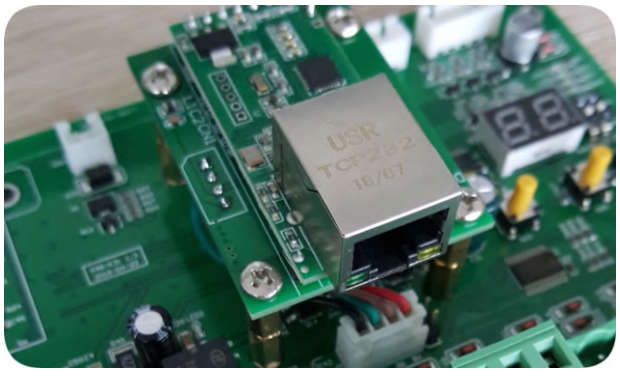
Color optional

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 Interface 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 and monitor the barrier by your own system.

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

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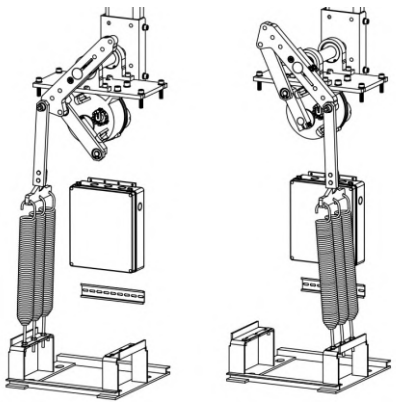
Free-maintenance DC Brushless Servo Motor
10 million cycles MCBF & 100% duty cycle

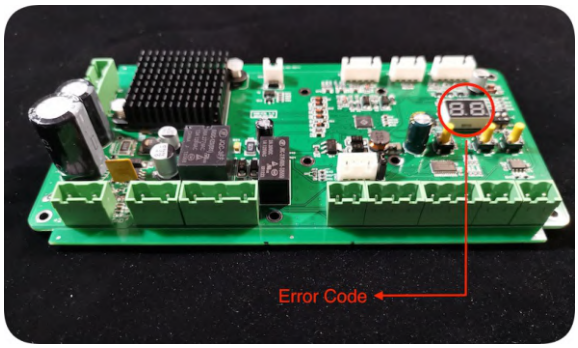
Free-maintenance DC24V brushless servo torque motor ensures 10 million cycles MCBF long life span; 100% duty cycle makes barrier continuously work at 24*7 hours; Max. 50W super low consumption makes barrier environment friendly but outputs super strong torque



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.

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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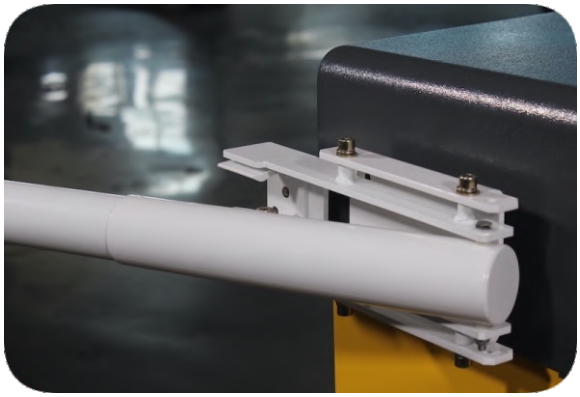
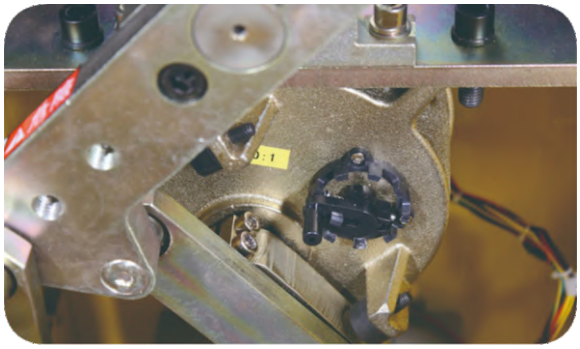


Boom Swing-off Protects Boom and Vehicle

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.



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.

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.

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. 3.5m 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. Barrier decelerates in the end of opening and closing to avoid shaking
6. Simplified design, easy installation and maintenance reduces your labor cost
7. Boom automatically open up fully in case of power failure (Optional)
8. Mechanical self–locking the boom, can not lift up the boom by hand

9. Alarm when boom swing-off (Optional)
10. Safety for vehicle--- Anti-hit by Loop Detector (Optional)
11. Safety for vehicle & pedestrian— Anti-hit by IR photocell (Optional)
12. Safety for vehicle & pedestrian— Anti-hit by "Opening Priority"

13. Automatically close in given time (Programmable)
14. Automatically close or open by loop detector (Optional)
15. Enable or disable “Always-open mode” on remote (Optional)
16. Count opening & closing times totally, or count opening or closing times only
17. Anti-condensation in cold climate
18. Transparent plastic covers on control board to protect the board.

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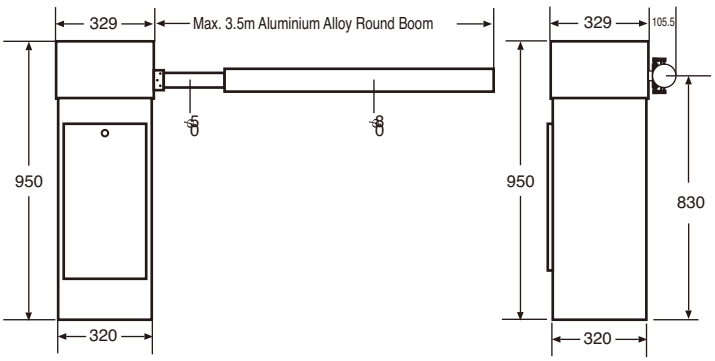
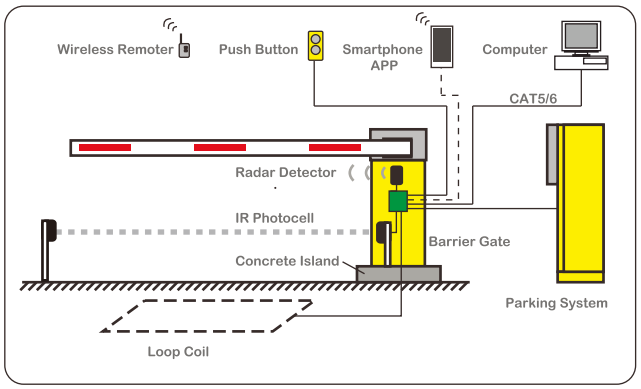
Dimension (mm)



Application

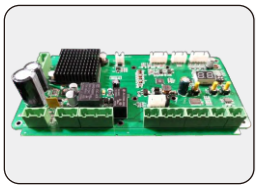


Technical Parameter

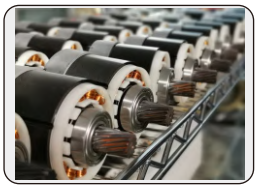
Opening/closing time	0.9~1.5 sec. adjustable
Boom	Max. 3.5mtr. Aluminum alloy round boom
Boom	Round arm diameter: 50mm,Foam diameter: 80mm
Boom Direction	Leftward / rightward exchangeable
Power Supply	AC100~240V, 50/60Hz, Max.0.5A
Motor	50W DC24V brushless servo torque motor
Duty Cycle	100% duty cycle
MCBF	10 Million Cycles (Mean Cycles Before Failure)
Max. frequency	15,000 operation cycles per day
Controller	PWM variable frequency servo controller board

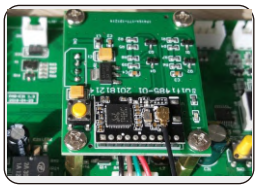
Communication Interface	RS-485 or TCP/IP RJ45
Wireless Remote	Two Remoters, distance>20m
Housing Material	2mm cold-roller sheet
Housing Painting	Powder coating last 10 years
Protection Rating	IP 54
G.W / N.W	46/44KG
Package Dimension	1100×480×430mm
Dimension	950×320×329mm (H*W*D)
Operating Temperature	-40°C~75°C
Operating Humidity	10% ~ 95%

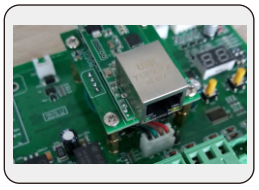
Accessories


PWM variable frequency servo controller board

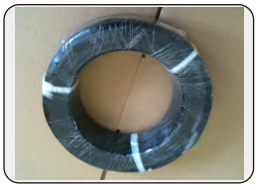
Remoter: transmitter, distance>20m

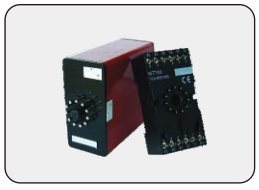

50W DC24V Brushless Servo Torque Motor


WIFI Module Smartphone control barrier

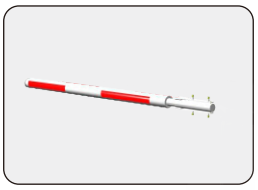

Ethernet Module Make your system control our barrier

Swing-off and alarm


Ground Induction


Loop Detector

Photocell


Aluminum alloy round boom

CE ISO9001:2015 ISO14001:2015 ISO45001:2018

Xiamen Dashou Technology Ltd.

info@dashou-china.com www.dashou-china.com
Tel: +86 592 5558660 Fax: +86 592 5511002
Add.: The 2nd Floor, No. 882 2nd Tonglong Rd.,Torch High-Tech Zone Industrial Park,Xiamen China