PAB-BD HCN (1.5s/3.5m)

Barrier Gate With Folding Arm

Dashou®
Parking System Expert

10 Million MCBF
DC Servo Motor

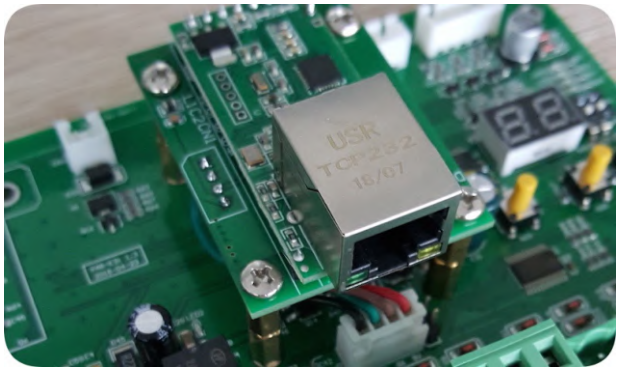
100% Duty Cycle
7*24 Hrs. Work

New generation barrier **PAB-BD-HCN** adopts free-maintenance DC brushless torque motor and PWM variable frequency servo controller, fast but smooth moving. Incredible 10 million MCBF 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 1.5~6s adjustable, Max.3.5m folding arm. 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.



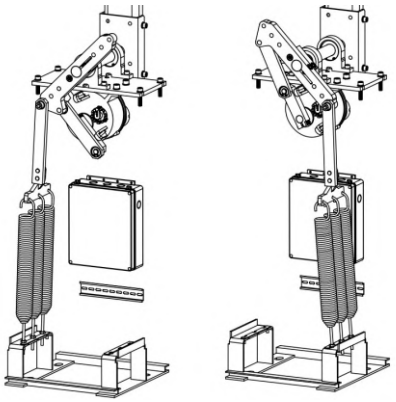
TCP/IP Interface for Easy Integration (Optional)

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

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

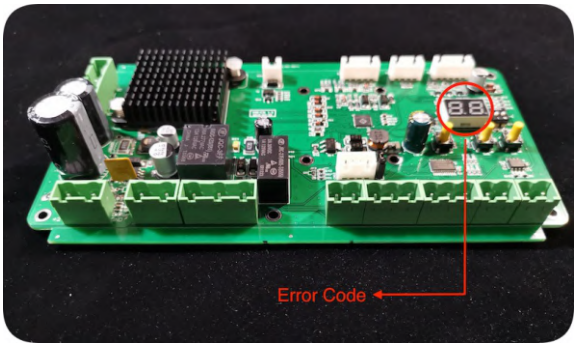
Free-maintenance DC24V brushless servo torque motor ensures 10 million cycles MCBF long life span; 100% duty cycle makes barrier continuously work at 24*7 hours; Max. 50W low consumption makes barrier environment friendly but outputs super strong torque



Leftward Rightward

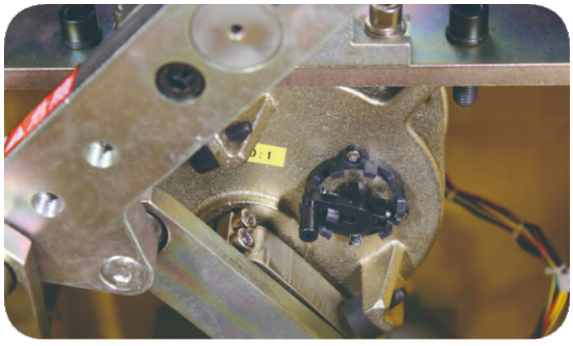
Boom Direction Is Exchangeable Without Replacing Any Parts

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.



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.

PAB-BD-HCN Intelligent Barrier

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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.

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.

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. 1.5~6 sec. speed adjustable
2. Quite smooth moving with Max. 3.5m folding arm
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. Safety for vehicle--- Anti-hit by Loop Detector (Optional)
10. Safety for vehicle & pedestrian--- Anti-hit by IR photocell (Optional)
11. Safety for vehicle & pedestrian— Anti-hit by "Opening Priority"

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

PAB-BD-HCN Intelligent Barrier

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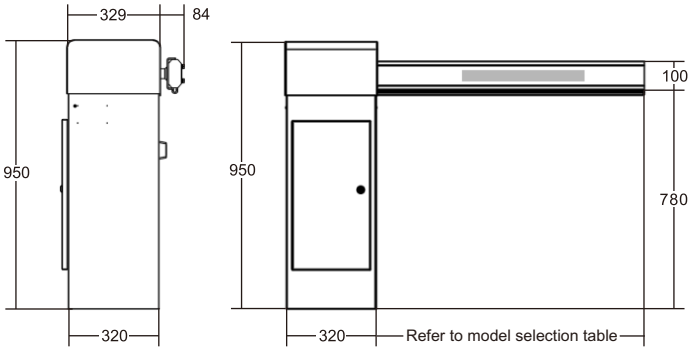
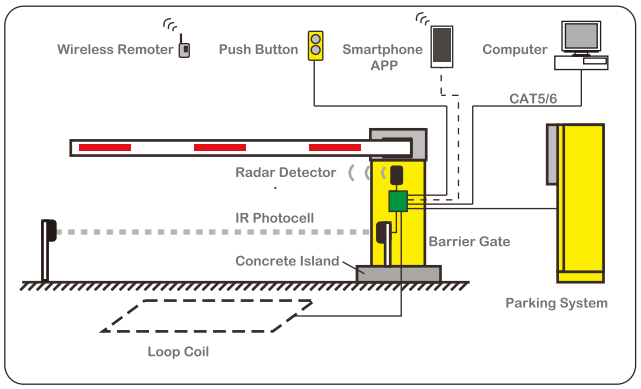
Dimension (mm)



Application

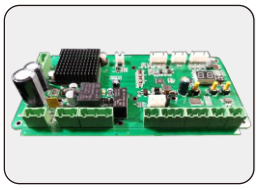


Technical Parameter

Opening/closing time	1.5~6 sec. adjustable
Boom Type	45×100mm Aluminum alloy Octagonal folding boom
Boom Length	Max. 3.5mtr.
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

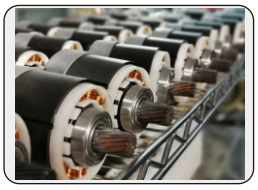
Communication Interface	RS-485 or TCP/IP RJ45
Wireless Remote	Two Remoters, distance>20m
Housing Material	2mm cold-roller sheet
Housing Painting	Powder coating last 10 years
Protection Rating	IP 54
G.W / N.W	46/44KG
Package Dimension	1100×480×430mm
Dimension	950×320×329mm (H*W*D)
Operating Temperature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

Accessories

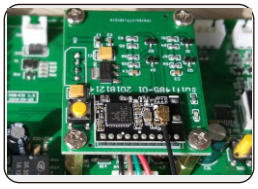


PWM variable frequency servo controller board

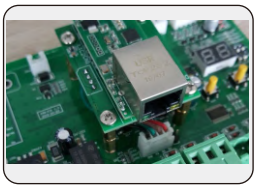
Remoter: transmitter, distance>20m



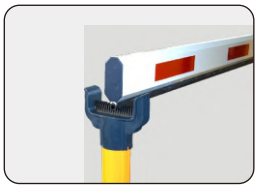
50W DC24V Brushless Servo Torque Motor



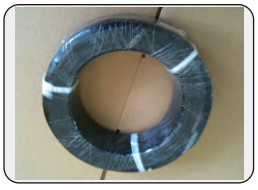
WIFI Module Smartphone control barrier



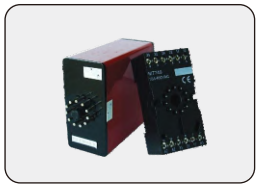
Ethernet Module Make your system control our barrier



Boom Arm Bracket

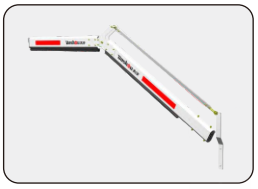


Ground Induction



Loop Detector

Photocell



45×100mm Aluminum Alloy Octagonal Arm with Rubber

CE ISO9001:2015 ISO14001:2015 ISO45001:2018

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