PAB-BD-SHSN-03

0.3s High Speed ETC Barrier

Dashou®
Parking System Expert

15 Million MTBF
Brushless DC Motor

100% Duty Cycle
7*24 Hrs. Work

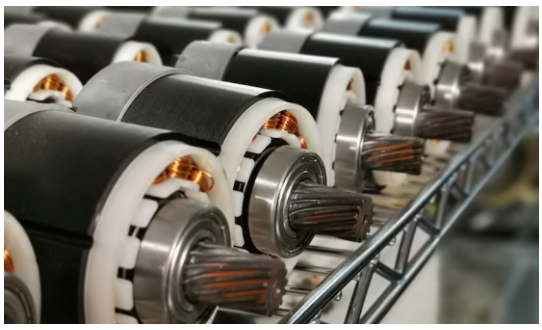
Swing Off & Alarm

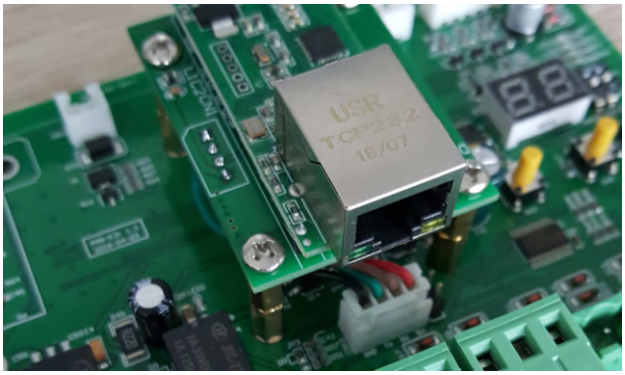
Color optional

0.3 sec. toll gate ETC barrier **PAB-BD-SHSN-03**, adopts free-maintenance DC brushless torque motor and PWM variable frequency servo controller, super fast but smooth moving. Incredible 15 million MTBF and 100% duty cycle makes it continuously work at 7*24 hrs with long life span. Opening/closing time 0.3s, Max.2.6m carbon fabric boom, boom direction is exchangeable. Boom can automatically reposition in case of an impact. It also can be integrated with the third party systema via TCP/IP. It is the right choice for highway toll gate ETC cashless lane. See video at https://youtu.be/bSextWy3LEY

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

Free-maintenance DC24V brushless servo torque motor ensures 15 million cycles MTBF long life span; 100% duty cycle makes barrier continuously work at 24*7 hours; Max. 240W super low consumption makes barrier environment friendly but outputs super strong torque





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. You can even remotely monitor the status of barrier.

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

CE ISO9001:2015

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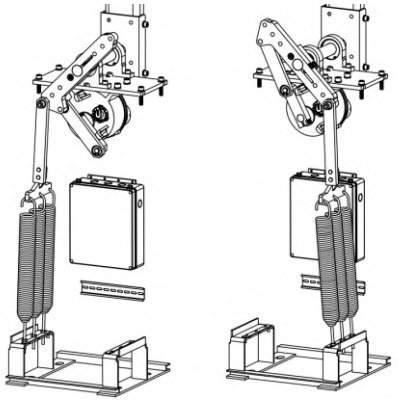


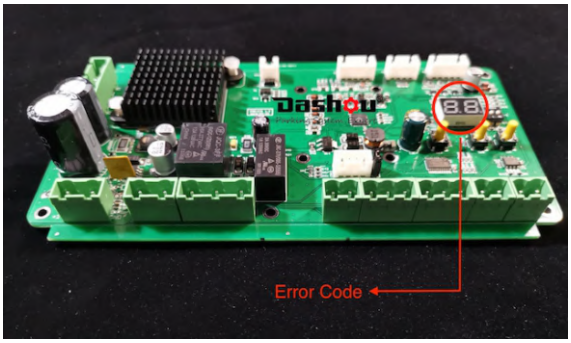
Leftward Rightward

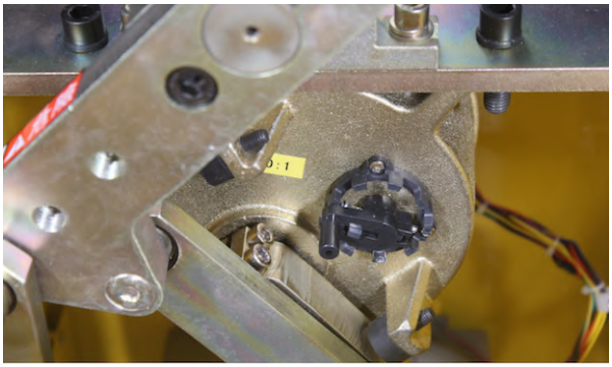
Boom Direction Is Exchangeable Without Replacing Any Parts

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.

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.

CE ISO9001:2015

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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.

More Features

1. 0.3 sec. super high speed for toll gate ETC lane
2. Quite smooth moving with Max. 2.6m carbon fabric boom
3. Variable frequency controller automatically detects and optimizes boom moving, ensures smooth moving without shake
4. Simplified design, easy installation and maintenance reduces your labor cost
5. Boom automatically open up fully in case of power failure(Optiaonl)
6. Boom will be automatically locked in case of power failure (Can not work together with function 5 at the same time)

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

11. Closing Priority
12. Automatically close in given time (Programmable)
13. Automatically close or open by loop detector (Optional)
14. Heavy-duty and simple-design housing
15. Anti-condensation in cold climate
16. Transparent plastic covers on control board
17. Automatic repositioning of arm after an impact (Optional)
    In the event of a shock while the barrier is closed, the arm is disengaged then rises to a vertical position, then returns to its closed horizontal initial position. It will have to resume its normal operation without any necessary intervention.

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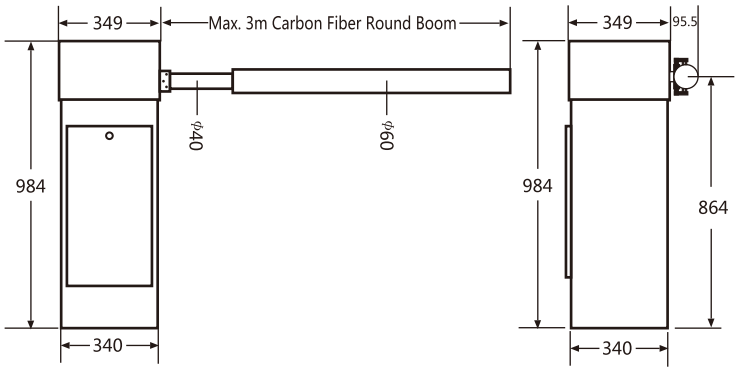
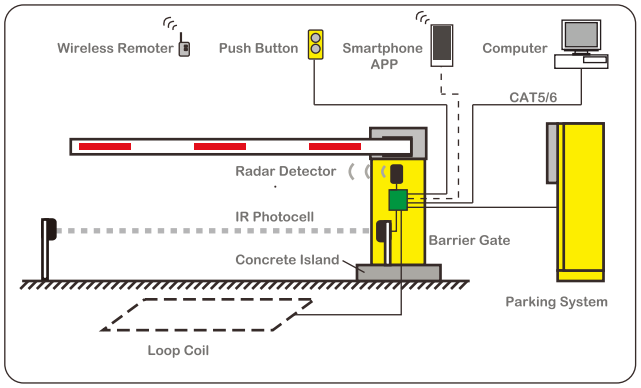
Dimension (mm)



Application

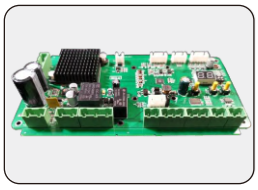


Technical Parameter

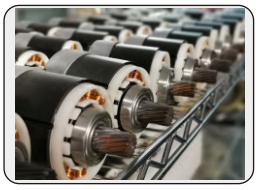
Close/open time	0.3 sec.
Boom	Max. 2.6 mtr. carbon fabric round boom
Boom Direction	Leftward / rightward exchangeable
Power Supply	AC85~264V, 50/60Hz, 480W
Motor	240W DC24V brushless servo torque motor
Duty Cycle	100% duty cycle
MTBF	15 Million Cycles (Meantime Before Failure)
Controller	PWM variable frequency servo controller board
Wireless Remote	Two Remoters, distance>20m

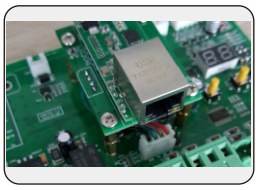
Communication Interface	RS-485 or TCP/IP RJ45
Loop detector Input	Pulse width > 100ms
Housing Material	2mm cold-roller sheet
Housing Painting	Powder coating last 10 years
Protection Rating	IP 54
G.W / N.W	52/50KG
Package Dimension	1250×500×420mm
Dimension	984×340×349mm (H*W*D)
Operating Temperature	-40°C~75°C
Operating Humidity	10%～95%

Accessories


PWM variable frequency servo controller board

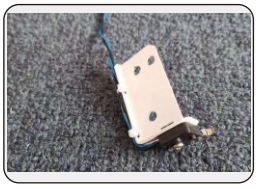

Remoter: transmitter, distance>20m

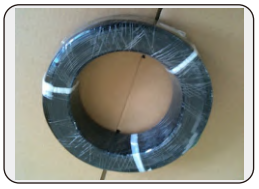

240W DC24V Brushless Servo Torque Motor

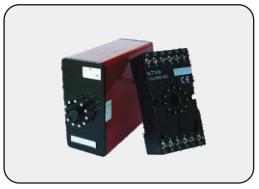

Ethernet Module Make your system control our barrier


Carbon Fabric Round Boom with Foam


Swing-off Module


Alarm against Swing Off Module


Ground Induction Coil


Loop Detector


Photocell

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