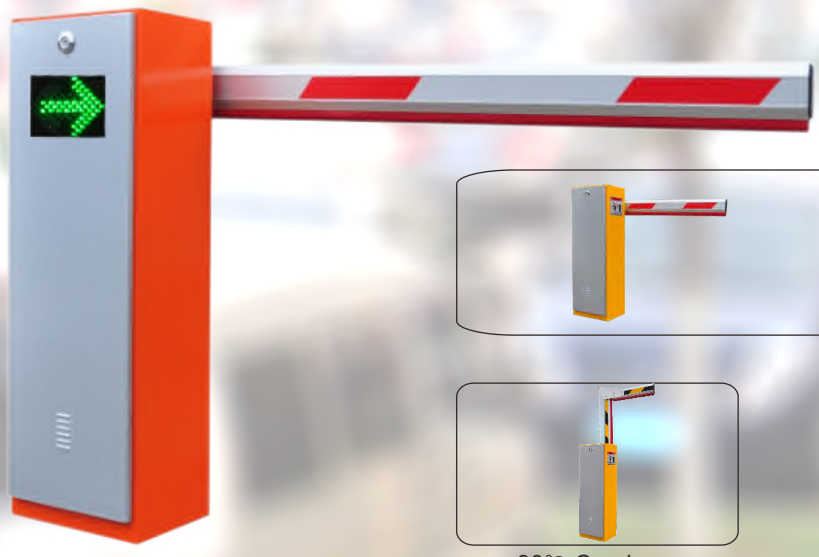


Color optional

90℃ Crank arm

Single fence arm

Double fence arm

CE ISO9001:2008

Features

Electromechanical turbine vortex pole motor barrier Economic is the right choice for your parking of both industrial and residential. It is durable, accurate, flexible and safe, and of course, you can afford it thanks to its super economic design. It assembles with Aluminum alloy octagonal boom with Max.6 mtr length (telescopic arm is optional), with open/close time from 1.5 to 6 second.

- **Heavy-duty and simple-design cabinet**
  The cabinet adopts 1.8mm precise machining cold-rolled plate with car baking finish which is non-scale and Unfading, conformed to IP54 dustproof and waterproof. Simple design also decorates your premises.

- **Overheat protection on motor**
  Once the working temperature is more than 75 degree, the motor will stop working for a while. However, before that the barrier will finish current action. As long as the temperature return normal, the motor will recovery.

- **Stable and quite working motor**
  70W turbine vortex pole transmission deceleration induction motor is compact, stable and low noisy, it can realize self-locking. There is no shock in case the motor stalled, which protects the controller and prolong its lifetime.

- **Optional telescopic arm makes air shipment possible for more than 3mtr arm**
  Telescopic arm is optional. Thus air shipment for more than 3 mtr arm becomes possible, and save shipping cost by air.

- **Straight/crank/fence arm is interchangeable**
  Straight/crank/fence arm is interchangeable. For example, a straight arm barrier can be changed into a crank arm barrier by replacing straight arm with crank arm. Thus warehouse cost will be saved much as no need to keep stock for all three type of barrier.

- **Interchangeable arm direction**
  Arm direction can be changed very easily from leftward into rightward, and vice versa. This expands the application of barrier and reduces

- **Accurate link mechanism ensures smooth landing of boom without shaking**
  Accurate 4-bar linkage mechanism ensures the barrier works steady, starts opening and stops closing softly, thus effectively reduce the shake of the arm and allay the burden of the motor, so that the lifetime of the motor and mechanical components will be greatly prolonged.

- **Anti-collision mechanism protects arm (optional)**
  Anti-collision mechanism protects the boom arm not to be damaged once boom arm was collided by a vehicle.

Features

- **Safety---Anti-hit by pressure resistance bounce (Optional)**
  While moving down, boom arm will immediately go back to vertical position once it is obstructed by an imposed force, which protects The vehicle or person not to be hit by boom arm. The sensitivity is adjustable.
  Note: This function does not work when the angle is <9 both in vertical and horizontal position.
  Need to be equipped with air wave switch and rubber bar onto the arm

- **Safety— Anti-hit by Loop Detector (Optional)**
  While barrier boom moving down, If a coming vehicle was detected to be existing on the ground induction coil, the barrier boom will go back to vertical position immediately until loop input was dismissed and then the barrier boom will go down immediately.
  Note: This function does not work when barrier boom horizontal angle is <9.

- **Anti-hit----Infra Red Photo Cell (optional)**
  While barrier boom moving down, If infrared transportation between transmitter and receiver is blocked by human or vehicle, the barrier arm will go back to vertical position immediately. The arm will automatically close once the infrared transportation recovers.
  Note: This function doses not work when barrier boom horizontal angle is <9.

- **Double safety--- Anti-hit by Loop Detector & IR photocell (Optional)**
  To double protect a vehicle by installing a loop detector and a IR photocell.
  While barrier boom moving down, if the infrared transportation between transmitter and receiver was blocked by a coming vehicle,or The coming vehicle was detected to be existing on the ground induction coil, or both happened, the barrier arm will go back to vertical Position immediately. The arm will automatically & immediately close once the infrared transportation recovers and at the same time the vehicle has already passed through the ground induction coil.

- **Safety— Anti-hit by "Opening Priority"**
  If a vehicle is coming while boom arm moving down, the boom arm will immediately go back to vertical position once a manual open command is given by guard by the push button or remoter transmitter, which protect the vehicle not to be hit by boom arm.

- **Automatically Close by 1# loop detector (Optional)**
  If 1# loop detector is installed, after vehicle passed the barrier will automatically close once the loop input was triggered

- **Automatically open by 2# loop detector (Optional)**
  If 2# loop detector is installed, when arm is in horizontal position, the barrier arm will go up immediately once loop input was triggered

- **Long life of controller board**
  Unique Arc processing circuit ensures long life of the controller board.

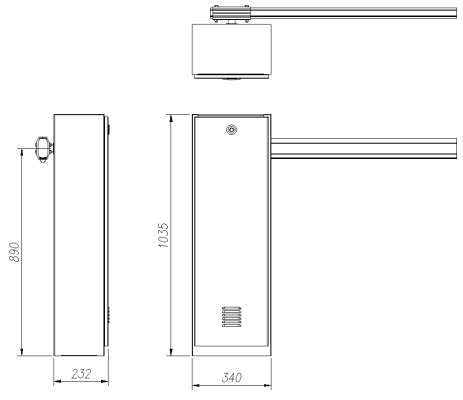
- **Contactless Hall sensor to position**
  Using contactless Hall sensor to control boom positions, never wear and shift.

- **Strong Interference**
  Imported brand of isolation protection circuit ensures complete signal and strong interference

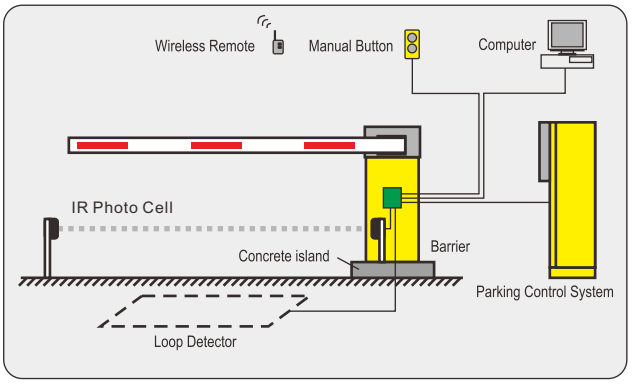
- **Manual control in case of power off**
  Once power is off, just open the cabinet and manually control the barrier by a handwheel mechanism. Also barrier boom can be manually locked in any position between horizontal and vertical, the lock status will remain until unlock manually.

- **A plastic box covers on Control Board**
  A plastic covers on the Control Board to makes Control Board water proof and dust proof, also protects operator.

Dimension (mm)



Application



Pamameters

Power	AC 220±10% (AC110V optional),50/60HZ
Motor	70W/AC220V Turbine Vortex Pole Motor
Motor rotation	1800r/min
Speed	1.5s,4s,6s optional
Housing	1.8mm cold-roller sheet，IP54 Level
Wireless Remote	3-Button Remote Transmitter, distance less than 50m
Boom	86mm×44mm Aluminum alloy octagonal arm, Max. 6 mtr.
Operating Temperature	-25°C~75°C

Input Interface	Photo cell,loop detector,parking system
Output	Motor, traffic lights
Spring	1~2 pcs.spring balance
Arm Direction	leftward/rightward can be changed by users very easily
Housing Dimension	340×232×1033mm
Package Dimension	392×310×1090mm
G.W	45KG
Operating Humidity	10%～95%

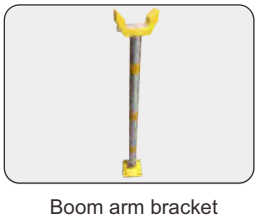
Accessories

Control board:Intel 80C51 MCU，Controlled silicon Motor control.Parameter

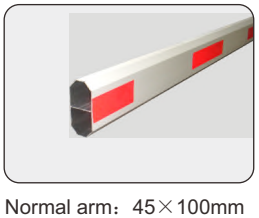
Remoter: two button transmitter, inner antenna,distance>20m

Turbine Vortex Pole Motor

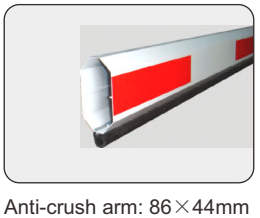
Ground Induction Coil



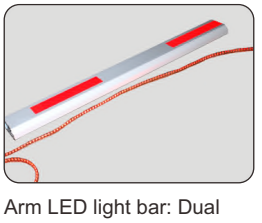
Boom arm bracket



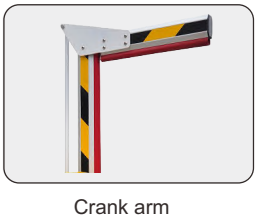
Normal arm：45×100mm Aluminum Alloy octagonal arm without rubber bar



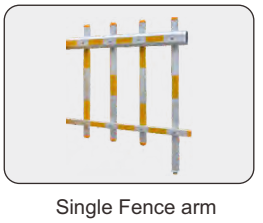
Anti-crush arm: 86×44mm Aluminum Alloy octagonal arm with rubber bar



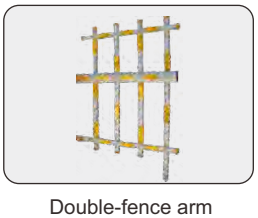
Arm LED light bar: Dual color LED bar



Crank arm



Single Fence arm

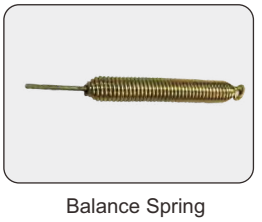


Double-fence arm

Anti-collision Mechanism

Loop Detector

Photocell



Balance Spring

Model Selection

Photo	Model No.	Description	Remarks
		*The right economic barrier for parking lots* 1) High-speed of open / close: 1.5 sec. 2) Max. 3mtr straight arm (telescopic arm optional) 3) Inclusive of arm ×1, push button ×1, remoter ×2 4) Exclusive of anti-collision & boom bracket & LED arrow display on housing : need to buy extrally 5) Housing color optional: *yellow silver*(default) / red silver / dark silver 6) Arm bidirectional: leftward/rightward can be changed by users very easily	HSN H: High speed S: Straight arm N: W/O LED bar
		*The right economic barrier for parking lots* 1) Normal-speed of open / close: 4/6 sec. optional 2) Straight arm (telescopic arm optional), Max.length following: . 6m for 6 sec. . 4.5m for 4 sec 3) Inclusive of arm ×1,push button ×1,remoter ×2 4) Exclusive of anti-collision & boom bracket & LED arrow display on housing : need to buy extrally 5) Housing color optional: yellow silver(default) / red silver / dark silver 6) Arm bidirectional: leftward/rightward can be changed by users very easily	NSN N: Normal speed S: Straight arm N: W/O LED bar
		*The right economic barrier for underground parking lots* 1) Normal-speed of open / close: 4/6 second optional 2) 90 degree Crank arm,Max.length: 6m for 6 sec./ 4.5m for 4 sec. 3) Inclusive of arm ×1,push button ×1,remoter ×2 4) Can`t be equipped with anti-collision 5) Exclusive of boom bracket & LED arrow display on housing : need to buy extrally 6) Housing color optional: yellow silver(default) / red silver / dark silver 7) Arm bidirectional: leftward/rightward can be changed by users very easily 8) Crank arm can be changed into fence arm very easily	NCN N: Normal speed C: Crank arm N: W/O LED bar
		*The right economic barrier for parking lots* 1) Normal-speed of open / close: 6 sec. 2) Single fence arm, Max.length 4.5m for 6 sec. 3) Inclusive of arm ×1,push button ×1,remoter ×2 4) Can`t be equipped with anti-collision, no need of boom bracket 5) Exclusive of LED arrow display on housing : need to buy extrally 6) Housing color optional: yellow silver(default) / red silver / dark silver 7) Arm direction optional: leftward/rightward can be changed by users very easily 8) Fence arm can be changed into crank arm very easily	NFN N: Normal speed F: 1-Fence arm N: W/O LED bar
		*The right economic barrier for parking lots* 1) Normal-speed of open / close: 6 sec. 2) Double fence arm, Max.length 4m for 6 sec. 3) Inclusive of arm ×1,push button ×1,remoter ×2 4) Can`t be equipped with anti-collision, no need of boom bracket 5) Exclusive of LED arrow display on housing : need to buy extrally 6) Housing color optional: yellow silver(default) / red silver / dark silver 7) Arm bidirectional: leftward/rightward can be changed by users very easily	NFN2 N: Normal speed F: 2-Fence arm N: W/O LED bar

Yellow

Red

Dark

CE ISO9001:2008

Leftward

Rightward