

# Intelligent Toll/Parking Barrier Gate

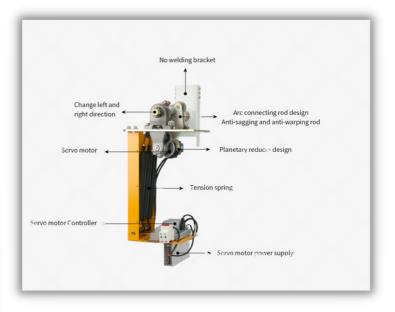
**Entrance Automation** 



# Intelligent Toll/Parking Barrier Gate

Nirmal Automation servo motor gate adopts integrated design and mold manufacturing with international leading technology, compact structure, high precision, high consistency, and standardization, and uses planetary reducer transmission, high efficiency, long life, no oil leakage, no blocking, low noise, the motor adopts 24V permanent magnet rare earth synchronous servo motor, small size, low power consumption, large torque, wide speed regulation, no heat, small penetration, precise limit, etc., using a digital signal processor (DSP) As the control core, it can realize more complex algorithms, realize network and intelligence, (IPM) internal integrated drive circuit can detect faults and display fault codes to quickly solve fault problems. The three-bar linkage design of the machine core makes for the rapid rise and stable fall. Using solar charging applications, it is suitable for unmanned occasions such as railway crossings, fire passages, oil stations, mine tunnels, etc., without electricity, and fully realizes automatic operation control





#### **Function**

- 1. Open and close speed adjustable
- 2. Arm direction Left and Right can change easily
- 3. When power is off, manually open and close the arm, 3. Manual pperation to open and lock itself.
- 4. Wireless remote
- 5. Photocell I0 port output
- 6. Loop detector anti-collision I0 output
- 7. Open and close control input
- 8. 12V traffic light output
- 9. Traffic light signal output
- 10. Open and close the limit signal output
- 11. Counting (fleet) input RS485 communication input
- 12. 24V battery input port
- 13. Delay close arm function(1-300 sec. Adjustable)
- 14. Open and close arm speed deceleration function
- 15. One-key setting arm type with corresponding speed 16. Auto-reverse arm function
- 16. Arm auto-reverse function (Force adjustable)
- 17. Anti-collision alarm function

(additional sensors and alarms are required)

18.RS485 communication output

- 1. Adjustable open and close speed
- 2. Easy switching of arm direction (Left or Right)
- and close the arm when power is off, with automatic locking
- 4. Wireless remote control
- 5. Photocell I/O port output
- 6. Loop detector anti-collision I/O output
- 7. Open and close control input
- 8. 12V traffic light output
- 9. Traffic light signal output 10.Open and close limit signal output
- 11. Counting (fleet) input with

RS485 communication

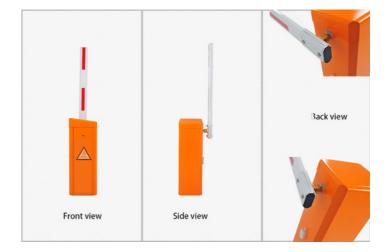
- 12. 24V battery input port
- 13. Adjustable delay close arm function (1-300 seconds)
- 14. Speed deceleration
- function for arm opening and closing
- 15. One-key arm type setting with corresponding speed
- (adjustable force)
- 17. Anti-collision alarm function (additional sensors and alarms
- required) 18. RS485 communication

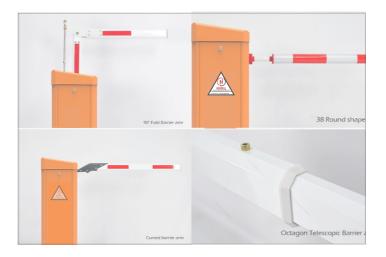
output



## **Technical Specification**

Working Temperature	-30°C~+70°C	-30°C~+70°C
Power Supply	24/100/240VAC,5 0/60Hz	24/100/240VAC, 50/60Hz
Open/close Speed	0.9Sec- 8Sec(Adjustable)	0.6Sec- 6Sec(Adjustable)
Rated Power	200W	400W
Driving Method	Servo motor	Servo motor
Humidity	≤90%	≤90%
Remote Control Distance	≤100m(open,sunn y weather)	≤100m(open,sun ny weather)
Protection Grade	IP54	IP54
Motor No-load speed	3000r/min	3000r/min
Max Boom Length	3m-6m	2.5m





#### **About Us**

Team Nirmal has been manufacturing, supplying, installing, and servicing entrance automation systems for Industrial, Residential & Commercial uses. During 27+ years of experience, we have built up a strong relationship with our customers by providing reliable & quality products. We, at Nirmal Automation, are proud to contribute to India's growth story since 1994.

27+

1.2k

Years of experience Happy Client

3.4k+

Units delivered successfully

#### A FEW ESTEEMED CLIENTS















































GARAGE DOOR



I FVFI FR



**BOOM** BARRIER







**AUTOMATIC** SLIDING GATE



**BOLLARD** 







**ROLLING** 



SECTIONAL



SLIDING GATE



**SWING GATE** 



RETRACTABLE **GATE** 



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