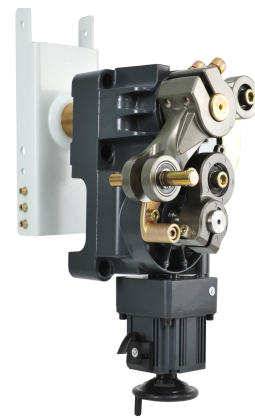


Barrier Gate Catalogue

1. Picture



2. 3rd Brushless Motor Technical Parameter



Model Number	S-2900	Power Supply	DC24V
Driving Method	Brushless Motor	Power Consumption	160W
Operation Time	1.5-6s Adjustable	Arm Length	1-6m straight
Rated Power	9.5A	Color	Grey, yellow
Motor No-load Speed	1850r/min	Output Torque	59.6N.m
Remote Control Distance	≤100m (open, sunny weather)	Relative Humidity	≥85%
Protection System (IP)	IP44	Working Temperature	-35°C~+65°C
MTBF	≥5 000 000 times	Warranty	1 Year

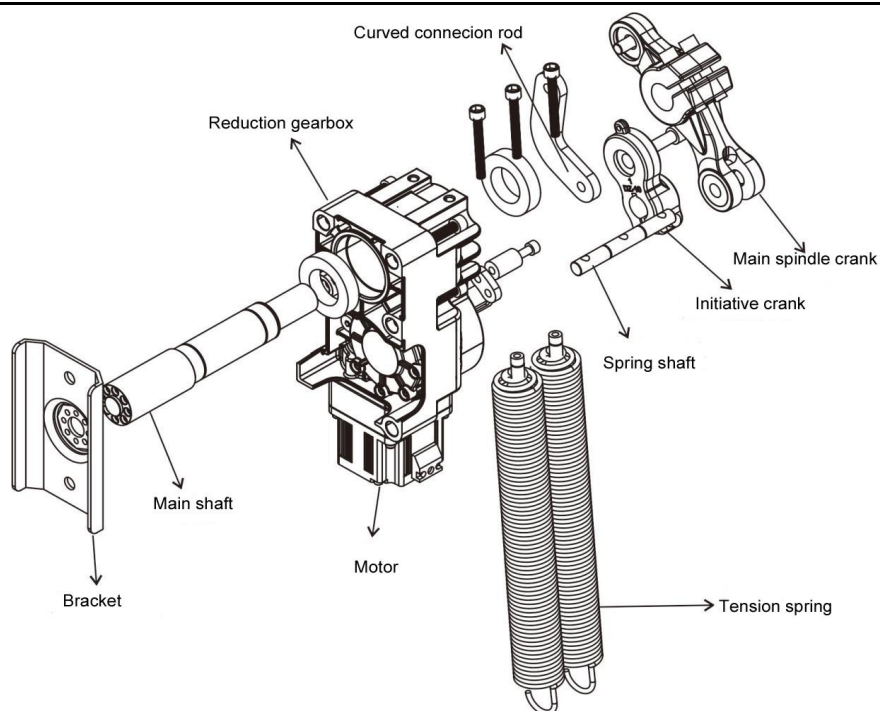
3. Introduction

S-2900 adopts the latest mold design technology, mold die-casting manufacturing technology, brushless control speed technology, and can be quickly interchanged, no clutch design, more reliable quality and more convenient use. The movement adopts secondary worm gear transmission and curved crank arm three-link structure, and the landing rod is fast and stable. Easy maintenance and long service life.

4. Function & Features

- 1) The speed can be adjusted from **1.5s to 6s**
- 2) Arm direction can be quickly interchanged
- 3) Open the barrier gate by motor wheel when power off ,automatically reset after power on
- 4) Curved crank arm three- link movement structure, the operation is stable
- 5) Wireless remote control control open/close
- 6) Auto reverse function (force adjustable)
- 7) Infrared photocells connector is available
- 8) Loop detector connector is available.
- 9) Well-integrated with car parking system equipment,with wire control(must be switch signal)
- 10) Connector for traffic light(AC220V ,power less than 40W)
- 11) Offering dry contact signal for car parking system(COM,NC,NO)
- 12) Auto-delay when closing(adjustable)
- 13) RS485 or CAN network communication interface (no need to install module)
- 14) Counting interface
- 15) 24V backup battery interface (Can be charged by using solar energy)
- 16) Arm open when power off (add backup battery) (Optional)
- 17) Arm swing out function,when the vehicle hit the barrier gate, the arm (80*45mm) can be swing out to avoid further damage on vehicle and machine core.
- 18) Anti-collision alarm device

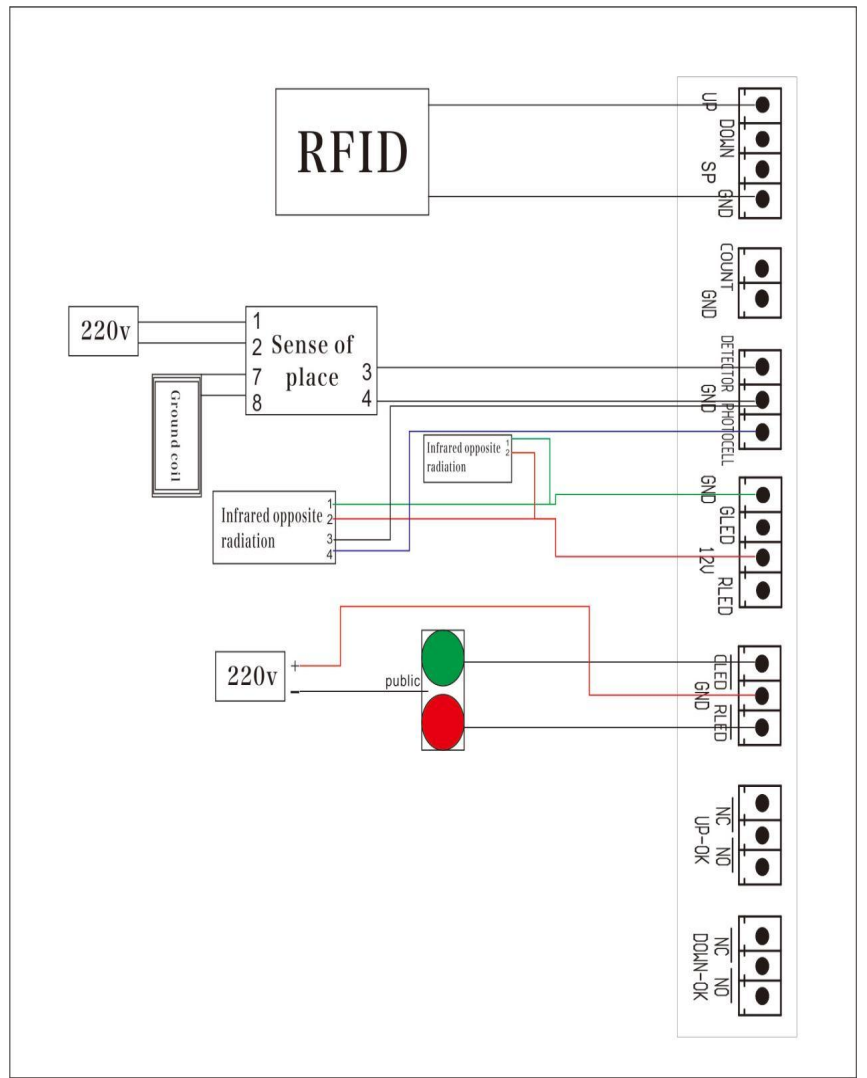
5. Diagram of 3rd DC Brushless Mechanism



6. Product Maintenance

- 1) Keep the barrier gate clean
- 2) Check the joints ever month in case of any loose parts.
- 3) Check the spring elasticity after the barrier gate running 3000 times.
- 4) Check the easily worn-out parts(like the spring,limit switch),every half year and renew it.
- 5) Remote control distance will be shortened or not work in case like big object screening,battery exhausting,extreme weathers.

7. Controller wiring diagram



8. Product dimension

