WJKMP301 Sliding Gate Motor



Introduction

This product is a DC brushless sliding gate motor that utilizes a planetary gear transmission system. Adopting a completely new design concept, this motor combines a planetary gear system with higher transmission efficiency and a brushless DC motor, resulting in lower energy consumption. The system eliminates traditional mechanical limit switches and instead employs position learning combined with sliding travel memory for limit configuration, thereby reducing failure rates. An innovative electronic clutch switch ensures simple operation. Remote controls use rolling code encryption technology to prevent copying, significantly enhancing security.

Main Features

- Powered by a 24V brushless DC motor, with adjustable opening and closing speed (5~15 m/min).
- The efficient planetary gear transmission mechanism ensures energy savings and high reliability.
- Supports full input voltage ranging from 100VAC to 265VAC, meeting usage requirements in different regions worldwide.
- Rolling code encryption remote control technology prevents unauthorized copying, providing enhanced security.
- Integrated control card, eliminating the need for complex wiring during installation; only electrical power connection is required.
- Equipped with an electronic clutch; releasing the electronic clutch allows the gate to be opened or closed manually in the event of a power failure.
- Soft start and stop, without mechanical limit switches; automatic limit learning for greater precision and smoother motor operation.
- Can be connected to access control systems, push buttons, infrared photocells, and other devices.
- Features automatic locking during power failures, automatic aging testing, and counting functions (requires loop detector or infrared photocell).
- Includes automatic reverse function upon detecting obstacles during closing, and stop function upon detecting obstacles during opening.
- Features pre-deceleration during opening/closing and limit autoblocking function.
- Includes automatic closing function with adjustable delay from 0 to 255 seconds.

Technical Parameter	Specification
Model	WJKMP301
Operating Temperature (Motor)	-35 °C to +70 °C
Input Power Supply Voltage	AC 100~265 V
Controller Power Supply Voltage	DC 24 V ± 10%, 10 A
Motor Power	180 W
Relative Humidity	30%~80% (non-condensing)
Remote Control Range	Open and free of interference, L ≤ 50 m
Output Speed	100 rpm
Operating Speed	15 m / min
Maximum Gate Weight	1000 Kg

