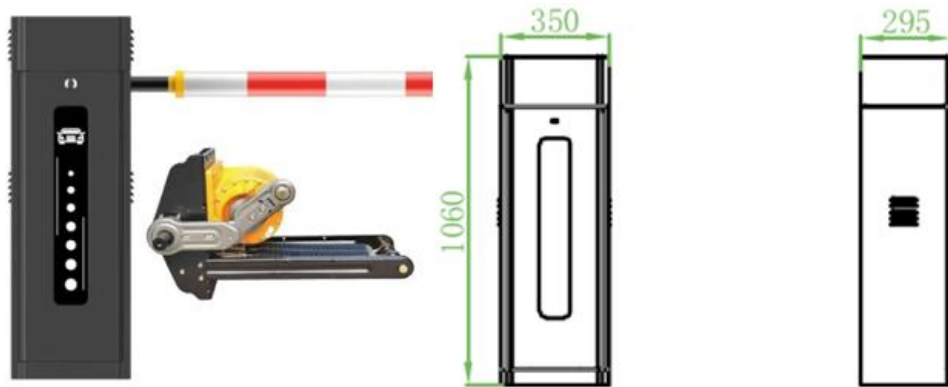


HKB01 High-Speed Barrier Gate Technical Specifications



Product Features

- The barrier gate is equipped with a two-stage gear motor for high efficiency and reliable operation.
- All series are designed with high-speed capabilities. When the barrier goes down too fast, the system will automatically adjust to slow down.
- Supports remote control, manual switch operation, and automatic control.
- Suitable for various opening and closing functions (manual operation and automatic operation).
- The operation panel provides an intuitive display and easy maintenance.
- Supports additional functionality for different environments and scenarios, including 12V DC power supply, suitable for external power supply connections.
- Supports a lifting speed of 0.6–6 seconds (adjustable based on the length of the barrier arm).
- The system has high reliability with robust protection against electrical faults (including overload protection and thermal protection).
- The motor can be operated for over 10 million cycles without performance degradation.
- The system is designed to prevent failure due to power interruptions, and it will automatically recover from the last position after power restoration.
- Includes an RS485 interface for communication with external devices.

Parameter	Specification
Power Supply Input Voltage	AC200~240V
Motor Power	240W
Operating Temperature	-35°C~80°C
Motor Type	Brushless DC
Lifting Speed	0.6~6 seconds adjustable
Barrier Length	Straight rod ≤ 4 meters
Available Rod Types	Aluminum foam arm, Carbon foam arm
Rod Diameter	50mm
Barrier Center Height	845mm
Remote Control Range	≤50 meters
Gearbox Ratio	1:16
Input Interface	Switch signal input
Motor Speed	1600 RPM
Protection Level	IP54
Enclosure Material	SPCC Phosphor Steel
Enclosure Process	Spray Coating
Dimensions	295*350*1060mm

Maintenance and Care Instructions

- **Annual Inspection:** Check the fasteners for any looseness or detachment, and tighten them as necessary.
- **Spring Balance Check:** After every 5 million cycles, inspect the spring balance status and rebalance if needed. After 5 million cycles (or 36 months), replace the spring to prevent over-fatigue and breakage.
- **Wear and Tear Check:** Every 2 years, have a professional inspect the wear of easily damaged parts and replace them in a timely manner.
- **Remote Control Range:** If the remote control range is shorter than usual, check if there are metal objects blocking the receiver or if the battery is low. The remote control range is significantly affected by weather conditions such as rain, fog, wind, snow, and interference from frequent use or other devices operating on the same frequency in the area. A reduction in range under these conditions is considered normal.

Product Statement & Disclaimer

This product statement covers the product features, technical specifications, and maintenance guidelines. While all efforts have been made to ensure the accuracy of the information provided, product updates and improvements may result in variations.

Important Notice:

1. The content in this document is based on the product information published at <https://hkgram.com/hk01-led-lighting-barrier-gate-1-5-6-seconds-dc-brushless-motor-drive/>
2. Actual product specifications and functions are subject to the physical product. This document does not constitute a performance guarantee.
3. Users must carefully read the instruction manual before installation and operation. Proper installation and regular maintenance are required.
4. Any damage or loss caused by misuse, unauthorized modification, or failure to follow the instructions is not covered by the company.
5. Product warranty terms and period shall be governed by the purchase agreement and warranty card.