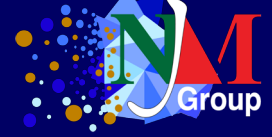


AB-DBA-900 Parking Barrier

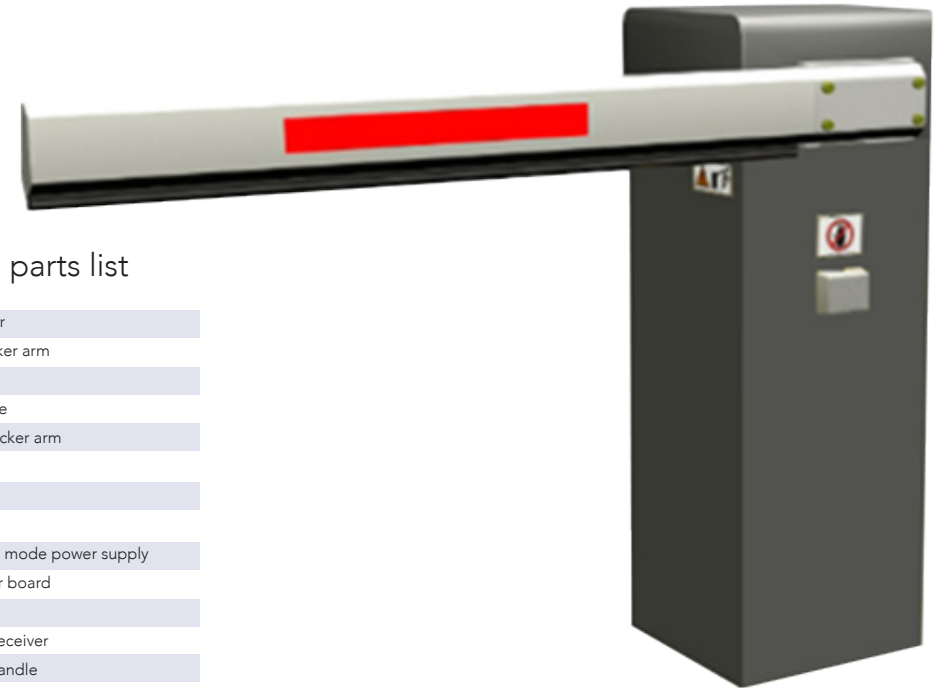


Technical Specification

| | |
|--|--|
| Power Supply | AC90~240V, 50/60HZ, Max.0.5A |
| Motor (DC 24V±10%) | 50W standard torque brushless motor |
| Control unit | 80C51 MCU, 20Mhz basic frequency, PWM variable frequency servo motor technology, multiplexing 0~5V switch input, multi relay output; No isolated RS485 communication interface, WatchDog shut down protect. |
| Loop detector input | Either active or passive dry contact input; 0~0.5V or short as logic 0, 3V~24V or open as logic 1. The input has RC hardware filter and 10 ms software filter, the width of pulse required to be over 100 ms, 1 fall to 0 trig to protect from crash to obstructer, and 0 to 1 trig barrier boom to move up. |
| Infrared Photocell input | Either active or passive dry contact input, 0~0.5V or short as logic 0, 3V~24V or open as logic 1. The input has 10 ms software filter, the width of pulse required to be over 100 ms, 1 fall to 0 trig to protect from crash to obstructer, and 0 to 1 trig barrier boom to move up. |
| Up & Down input | Either active or passive input, 0~0.5V or short as logic 0, 3V~24V or open as logic 1. The input has 10 ms software filter, the width of pulse required to be over 100 ms, 1 fall to 0 trig |
| Traffic light output Loop detector Syn. output | AC 220V power output (passive), Max. current 3A/ AC220V. Relay works if barrier boom move >2/3 and releases if boom move <2/3. Relay NO output, Max.AC 220V/0.5A, Max.DC 12V/1A |
| WIFI & TCP/IP interface (optional) | Barrier can be controlled by smart phone with WIFI interface, and controlled by PC with TCP/IP interface |
| RS 485 interface | Semi-duplex RS485 interface, switch time 10 ms, 8 data bits, 1 stop bit, no checksum, 9600 bps, ASCII decimal code. |
| Opening/closing time | 1 to 6 seconds frequency conversion stepless speed regulation |
| Wireless Remoter (optional) | Two button remote transmitter, distance: 20~50m |
| Spring | 1~3 pcs. springs according to boom length |
| Arm | 45x100mm Aluminum alloy arm or round arm, Max. 6m E1---Pulse angle sensor or motor failure; |
| Arm direction | Left/right exchangeable |
| Housing | 2mm cold-roller sheet, anti-UV light and static plating, IP 54 |
| Housing dimension | 950mmx329mmx320mm |
| Gross Weight | Around 46 KG |
| Operating temperature | -25°C -55°C |
| Humidity | 10%-95% |

Mechanical parts list

| | |
|----|----------------------------------|
| 1 | Top Cover |
| 2 | Slave rocker arm |
| 3 | Link rod |
| 4 | Springs tie |
| 5 | Master rocker arm |
| 6 | Housing |
| 7 | Door |
| 8 | Springs |
| 9 | Switching mode power supply |
| 10 | Controller board |
| 11 | Earthing |
| 12 | Remote receiver |
| 13 | Manual handle |
| 14 | Brushless servo motor |
| 15 | Reducer |
| 16 | Pedestal |
| 17 | Arm holder (includes main shelf) |



Connection

AB-DBA-900 Parking Barrier uses AC90~240V & 50/60HZ input as its power supply. A fuse has integrated by barrier controller unit. For the safety and ease of maintenance and repair, barrier has set the auto-breaker and safety switch in power supply circuit.

