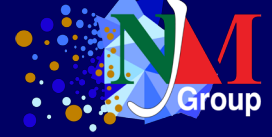


AB-DBA-900 Parking Barrier

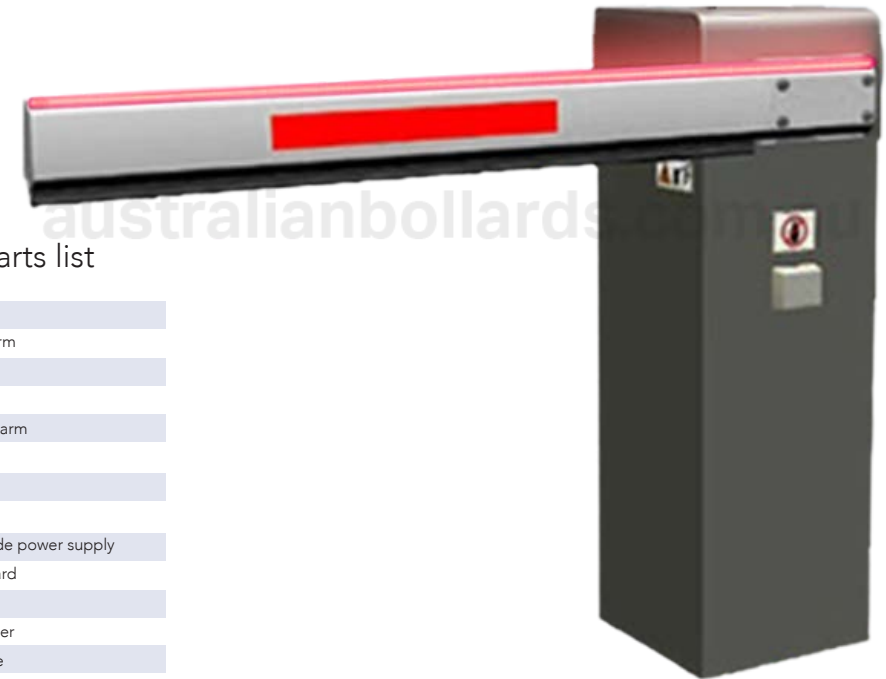


Technical Specification

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	45×100mm 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	950mm×329mm×320mm
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.

