

# **Digital Brushless Barrier Gates**

#### **Brief Description**

With increasing requirements of parking solutions, traditional traffic barriers can not meet these requirements well. Considering all the factors in applications, Jayda company launched all new digital brushless barrier gate JDDZ-10 which is completely different from traditional barriers in current markets. By using digital brushless motor & advanced digital control technology, most operations such as open/ close time & angle, anti-collision angle, motor power are able to be adjusted digitally. Digital precise control limit, different from traditional limit control way, by which the structure is more simple and minimum maintenance cost involved.

#### Features

1. The barrier will open automatically in case of power failure, to keep the passage unimpeded in emergency, e.g fire-fighting 2. Special anti-collision design to make the boom jump out from boom holder and rotate 90° to avoid the hurt of vehicles or barrier

3. The boom will jump back if the boom hits the obstacle when falling down, thus prevent vehicle or pedestrian from being crashed.

4. The motor keeps cool when working to avoid any mechanic failure caused by overheat

5. By using counting design & digital control, easy to use and debug

6. The open/close time is able to be adjusted from 0.9 to 5 seconds to meet different applications

7. It provides wide integration to be compatible with different access control systems.

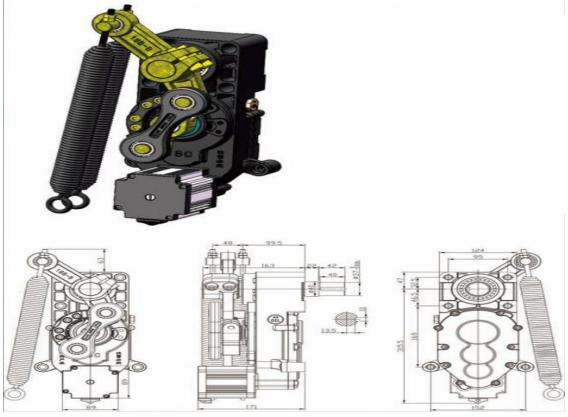
8. LED light are fixed on the cover and door, which is not only nice in design, but also helpful to warn the driver in the evening or rainy days.

- 9. Long life cycle up to 4.5 million times
- 10. Easy to debug and maintain from control board
- 11. Easy to change boom falling-down direction

### Parameters

Power supply	AC220V±10% or AC110V±10%, 50/60HZ	
Rated power	140W	
Motor type	DC24V digital brushless digital motor	
Motor speed	1500 RPM	
Open time & boom length	0.6~1.2 seconds	2.5 meter straight boom
	1.5~2.0 seconds	3.0 meter straight boom
	2.0~2.5 seconds	3.5 meter straight boom
	2.5~3.0 seconds	4.0 meter straight boom
	3.0~3.5 seconds	4.5 meter straight boom
	3.5~4.0 seconds	5.0 meter straight boom
	4.0~4.5 seconds	5.5 meter straight boom
	5.0~6.0 seconds	6.0 meter straight boom
Noise	≤60dB	
Error action	≤0.0%	
Interfaces	IR sensor, vehicle detector, RS485, open/ close/stop	
Output	Relay output, max AC240V, 5A bearable	
Life cycle	≥4.5 million times	
Work Temperature	-35°C~60°C	
Relative humidity	≤90%, no condensation	

## Mechanism



www.jaydagate.com