

Hydraulic Bollard Barrier



Product Description

Safeway System - AT5200 Hydraulic Bollard Barrier is widely used in highway toll station, checkpoints, prisons, airports, government buildings, embassies, military base-stations, customs, ports, banks, industrial and mining companies, warehouse, parking and all requested places to control vehicle in and out.

Configuration

The equipment mainly consists of three parts: the lift Cylinder, hydraulic movement, electric control.

1. The lift Cylinder:

The lifting column is mainly composed of lifting cylinder and base. The machine is steel structure, it is made of 7 mm thickness seamless steel pipe, welded, with high strength load-bearing and crash resistance; the outer wall is red warning color, equipped with yellow reflective belt, night can open built-in bright LED light, warning vehicle attention risk.

The device is buried in the lane or the designated location of the door, through the instructions of the staff on duty restrictions.

2. Hydraulic movement:

Hydraulic movement mainly by the fuel tank, motor, pump and other components, it is a complete set of lifting column system power source, the device installed in the lift column, and supporting the use of lifting column (through the control valve to change the rate of rise and fall), power failure through the backup power Manual decentralization.

3. Electronic Control System :

Automatic electronic control part: control board, sub-control board, leakage switch, no contact noise high life contactor, precision start time set (anti-cylinder stroke in place after the impact of increased fuel life), can be set to automatically rise (Plus the sense of the coil from the pole). Automatic controller: including control box, remote control, manual button, etc. by the duty control.

Advantages

1. Fast speed up&down,Low Noise:

Lifting time up to 1.5 ~ 3s seconds and can be adjustable, far greater than the same specifications of other manufacturers of the column, which is extremely valuable. Because it uses hydraulic drive unit, action, soft and calm.

2. Control Sensitivity

Control unit using multi-function logic controller, it can adjust a variety of different functional modes to meet the different needs of different users in the function. In addition, it is worth mentioning that the movement of the adjustable stroke timing design, the user can freely control the height of the spikes, effectively save energy consumption.

3. Unique structure

The core part of the hydraulic unit and the mechanical power mechanism as a one-piece design, which can effectively transfer the mechanical energy to the hydraulic drive unit, action efficient. Hydraulic units to achieve the unique design of the pressure of the helicopter, excellent performance in the same field at home and abroad is very rare.

4. Safe and reliable

When the case of power outages and other emergencies, the hand can be an emergency drop, lift column can be reduced to open the channel, the release of vehicles. The upper and lower parts of the internal fixing mechanism are respectively equipped with current detection sensors and electromagnetic sensors, thus realizing the effective limit of the overcurrent protection and the cylinder action of the power unit, and the operation is stable and reliable.

5. Economy

As a result of their own motor drive mode, environmental protection and energy saving, low consumption, lower failure rate, longer life, reducing maintenance costs. In addition, the use of non-traditional steering mechanism design, installation and maintenance, more simple and quick.

Specification:	
Control system	electric hydraulic
Power	220v
System power	300w
Weight capacity	more than 100 tons of container trucks
Opening time	1.5~3s (can be adjustable)
Closing time	1.5~3s (can be adjustable)
Communication	RS485≤1200M
Blade height	600mm
Operating temperature	-35°C-75°C
Storage temperature	-40°C-75°C, waterproof, dustproof
Color	Yellow and black
Hydraulic pressure is adjustable, the normal pressure should be adjusted below 50KGF, the maximum can not exceed 70KGF	
Lifting column Dimensions L350 * W350 * H1112mm, raised after the height of 600 ± 5mm.	
Product features:	
1.Durable,Overload,Operate Smoothly, Low Noise, Fast speed, long life-time.	
2.Micro-control technology makes system stable and reliable,Easy integrate into other systems.	
3.Compatible with road barrier,turnstiles and other access system control to achieve automatic control.	
4.Advanced and mature low-pressure hydraulic drive technologies, high reliability, security and stability.	
5.Manual system device, meet anti-fire management's requirements(optional) In the case of a power failure or in the event of failure, if the lift column is in the up state needs to fall, you can manually move the lifting column cover down to the horizontal position, so that vehicles pass (the system with a 12V spare battery)	
6. Automatic hydraulic system device Remote control device: through the wireless remote control mode, can be around the controller around 30 meters. Manual button device: through the security room in the manual switch button control box, lift the corresponding.	
7.Optional functions: Credit card control: install the card reader, through the credit card automatically control the lift column lift. Barrier and lift column linkage: with barrier (block device) / access control, can achieve barrier, and access control and lift column linkage. And computer tube buried system or charging system connection: can be connected to the pipe system and the charging system, a unified computer control.	
8.Convenient maintenance: when the structure fails or the body is overhauled, the motor control box can be opened , and the corresponding operation can be carried out	